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<223> Clone ID: 701037630H1

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<223> Clone ID: 701037631H1

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<223> Clone ID: 701037634H1

<400> 47806

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<223> Clone ID: 701037635H1

<400> 47807

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<223> Clone ID: 701037637H1

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ccacaaatcg aaggaaagag aatgagtaga cgctcgagca gaactgtct 109

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<223> Clone ID: 701037638H1

<400> 47809

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gcgatcattt tccattgggt ggaaagaa 88

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<212> DNA
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<223> Clone ID: 701037639H1

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<223> Clone ID: 701037640H1

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<223> Clone ID: 701037641H1

<400> 47812

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<212> DNA
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<223> Clone ID: 701037642H1

<400> 47813

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<223> Clone ID: 701037643H1

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<223> Clone ID: 701037645H1

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<223> Clone ID: 701037646H1

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<223> Clone ID: 701037647H1

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<212> DNA
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0053113-032200

<223> Clone ID: 701037648H1

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<212> DNA

<213> Glycine max

<223> Clone ID: 701037649H1

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<212> DNA

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<223> Clone ID: 701037651H1

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002260-ETFE60

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 aactgggtgg aaagat 76
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 <212> DNA
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 <223> Clone ID: 701037657H1

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 aatcgttcct cgacgacata cctgaactta acgtcgatga tttttg 106

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 <223> Clone ID: 701037658H1

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 <212> DNA
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 <223> Clone ID: 701037661H1

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 <223> Clone ID: 701037662H1

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 <223> Clone ID: 701037663H1

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 <223> Clone ID: 701037664H1

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 <223> Clone ID: 701037666H1

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89

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<212> DNA

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<210> 47835

<211> 94

<212> DNA

<213> Glycine max

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<211> 92

<212> DNA

<213> Glycine max

<223> Clone ID: 701037670H1

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<223> Clone ID: 701037671H1

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<223> Clone ID: 701037672H1

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catgcccagc caatggg 77

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<223> Clone ID: 701037677H1

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ttcattcaca cttcccatgg aacacgcatt 90

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<223> Clone ID: 701037678H1

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acgggtgagga gaggaaggct acccttaacc agattgaaga tgc 103

<210> 47842

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<212> DNA

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<211> 101

<212> DNA

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<223> Clone ID: 701037680H1

<400> 47843

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gagcctattc cgttttactc acactctcaa acaacaaaac c 101

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<211> 89

<212> DNA

<213> Glycine max

<223> Clone ID: 701037681H1

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attctcgtct tcttctccca tctccattt 89

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<212> DNA

<213> Glycine max

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<223> Clone ID: 701037682H1

<400> 47845

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<211> 101

<212> DNA

<213> Glycine max

<223> Clone ID: 701037684H1

<400> 47846

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<211> 98

<212> DNA

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<211> 92

<212> DNA

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ttagggtttc gattcggagg tagacgaaga tg 92

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<212> DNA
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 agatttgcac caatttcaac a 81

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 <223> Clone ID: 701037690H1
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 gattaccgtg caaggattcg gttgattaat caggacaaga acaattataa cactccgaaa 180
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 attgccggcg atttagtcct tgct 264

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 gagatgccac aacatttgca aaatgtggt 89

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<212> DNA
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 <223> Clone ID: 701037575H1

 <400> 47855

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 cctctcctgg agttcctgca ggagcggcag ctctacgacg acgaccacat cctgaaggcg 180
 aagatcgacc ttctcaacaa caccaacatg gttgactacg ctatggacat ccacaagagc 240
 ctctaccaca ccgaggacgt c 261

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 <212> DNA
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 <223> Clone ID: 701037576H1

 <400> 47856

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 tgtgaatgcc ttgctgaggg cgttgtgggg acagacgtat tataacccta agacgagaga 180
 tgattgttgg gaagaaaggg gttgggggga ataagaagcc tatgtttgtt cagtttgtgt 240
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 <223> Clone ID: 701037579H1

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 aaattgcata ccgagttgat aactacaact gcaggcatag agatgaagtt catctcatgg 180
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267

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<212> DNA

<213> Glycine max

<223> Clone ID: 701037581H1

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agcagtgaag ttcaagaggc ttctcagctg ctgtcttggt ttggtgactt tgtgtactgc 120

acggctctgtg catgcatgca ggt 143

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gatgaaaaac acaaggaaga tgatcaagag gaggggaagg gtggattcat tgagaagggtg 180

aaggatttca ttcatgacat tgggtgagaag attgaggaag ctattgggtt tgggacgcca 240

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actcctttga ttcgatcaa cagcctctcc gccgccactg gttgccaaat tctcggcaag 180

tgcgagttct taaaccccg aggcagcgtc aaagaccgcg ttgctgttca aattattcaa 240
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<223> Clone ID: 701037585H1

<400> 47861

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agtccttcaa cgacgtcacc accacacgcg cgcgtagcgt cgccgccgcc gccgaggaga 180
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<223> Clone ID: 701037586H1

<400> 47862

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cctggcacia aattggatgc tcaacttcaag aaaagagaaa atgtaacccc attggtgcct 180
cgccaaattg cacaacatat accgttgtca tcagcaaaga taaaagaact agttgagatg 240
ctttttgtga ac 252

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<213> Glycine max

<223> Clone ID: 701037587H1

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aacacaaaac aaa 73

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<212> DNA

<213> Glycine max

<223> Clone ID: 701037588H1

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tgcccaacag gtattggaca ctagttgaag aggggtcaat gggccatgta tgcattgtgaa 180

aagaaatcta tctagtaaca ctagaaacag gactagctgg gaaaaggaac cactgtactg 240

ctcactgcta tcttatactg agt 263

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<212> DNA

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<223> Clone ID: 701037590H1

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ggtggatcgg ttgattgcga gaggggacag cgtgatcgtg gtggacaatt tcttcacggg 180

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accccgtttt gctggtgcc 139

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<213> Glycine max

<223> Clone ID: 701037593H1

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tatctctggg ctgacttcac aggcaaccag agaattgaca ttcccagtag atgaaagggg 120

aaccatgaaa tctgttggg agtacttcta tgagacatat gg 162

<210> 47868
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<212> DNA
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<223> Clone ID: 701037595H1

<400> 47868

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gattctctacg tcatccaacc g 141

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<212> DNA
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<223> Clone ID: 701037601H1

<400> 47869

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accgaacact tacaacaac 79

<210> 47870
<211> 92

<212> DNA
 <213> Glycine max
 <223> Clone ID: 701037602H1
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<210> 47871
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037604H1
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<210> 47872
 <211> 103
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037605H1
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<212> DNA
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<400> 47874

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<223> Clone ID: 701037612H1

<400> 47875

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 <212> DNA
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<223> Clone ID: 701037570H1

<400> 47876

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 ccgtagcaat gccaaggaaa ttggcttcat caagtatcgc taaaagagca gttgtcaact 180
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<223> Clone ID: 701037613H1

<400> 47877

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<223> Clone ID: 701037614H1

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<223> Clone ID: 701037616H1

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<223> Clone ID: 701037617H1

<400> 47880

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<223> Clone ID: 701037618H1

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<213> Glycine max

<223> Clone ID: 701037619H1

<400> 47882

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<223> Clone ID: 701037621H1

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<210> 47884

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701037542H1

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gaaaatagtt ttgagttgag gatctaataca ttaccagatt taatatactt ggcaaatggg 120

gtctgaaggt cctacgacac cgacaacaac aattcatgtg acaggattta agaaattcca 180

tggagtttca gagaatccaa cagacacaat tgccaataat ttgacggagt acatgaataa 240

gaagggtttg ccaaagggtt tagt 264

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<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701037544H1

<400> 47885

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gcaacacgaa ctggctcgctt gtttcaaaac caaacctca atgtccacgt taatggagga 180
ggagctgttt ctgggaaggc tgatttaacc ggacagagga aagttggggc tgggggaaga 240
aaaccacttg gagatctatc caatgc 266

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<223> Clone ID: 701037545H1

<400> 47886

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ggggactgta tgtctcattg ttgagggttt attgtttaca tgggtggatgt gtggcattca 240
cactggtcaa gtgcgccaat ccttacag 268

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<223> Clone ID: 701037546H1

<400> 47887

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ctcccttccc acgttccaaa tcgagaaaca cgaataccac cgcggttctt gcgactactc 180
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<212> DNA
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gagtgtttt tatctttgct gctg 144

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ttttgatgag gaaaactcct ccaccgtggc tccggcaaca ctctacaaag ctctgacaaa 120
agatgctgac actatcatcc caaagattat tggggccatc caaactattg aa 172

<210> 47890
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<212> DNA
<213> Glycine max
<223> Clone ID: 701037549H1
<400> 47890

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cgtgctctct tccctctctc acttcatcca aatctttctc attttctctc ccaaatacaca 120
ctctcaatta caataacaca cactcaactt gagaattttc ccaaaaaatc ccaagagctc 180

gcgccatggt ttccccggaa aacagcaatt ggctgttcga ttagccgttg atcgacgacg 240
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<223> Clone ID: 701037550H1

<400> 47891

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cttcacaaaa ccttcaaacc caattccaca gaattcttct gcttcaccat gccaccaaag 180
ccttttagact atgg 194

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<223> Clone ID: 701037551H1

<400> 47892

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tggattccca atccaagccc accgtcttcc ccaccatta tcaactggtag acctccgagt 180
tcgcccagga caccagcatc ctccac 206

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<212> DNA
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<223> Clone ID: 701037552H1

<400> 47893

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actatcatcc caaagattat tggggccatc caaactattg aaatcggtga aggaaatgga 180
 ggacccggaa ccgtaagaa gataacagct agtgaagggtg accaaaccag tttcgtgctg 240
 caaaaagtgg atgcaattga cga 263

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<223> Clone ID: 701037553H1

<400> 47894

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 agctactcgg cgaaccggag cgactacaag cttctagaag aagtcggtta cagcgccacg 180
 gcaccgtcta ccgtaaatc tacctccct acaacgagga ggtcgccgtc aagtgcattg 240
 atctggatcg ctgcaatata 260

<210> 47895
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 <212> DNA
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<223> Clone ID: 701037554H1

<400> 47895

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 tgcgtctgtg aggggtataa tgagccttag atggaaggag ggaaggaa 168

<210> 47896
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<223> Clone ID: 701037555H1

<400> 47896

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 agatctctgt cccgcaccag atctggtgca gggtagagagg gttgggttca ttaattgtgt 180
 atcaatcttc cttctgagcg gtaggcgtgg ggataccaga gtcttttcgg gaagcaaga 239

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<223> Clone ID: 701037556H1

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 tacctttgta tcttcggaag cattacaatt ttatttgaaa tgtaaaattt tgtttttcca 180
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 tagccaatat ccctttctct ccat 264

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<223> Clone ID: 701037557H1

<400> 47898

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 ccgtaccacc gcctacgacc tattccctct cttcgacaag tacgggaagg tcgtcgacat 180
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<223> Clone ID: 701037558H1

<400> 47899

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 ctccataacc aggaggagga ggaggaggat gagtcaccgg gaagctctgg tgagatcaag 180
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<210> 47900

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701037559H1

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<210> 47901

<211> 167

<212> DNA

<213> Glycine max

<223> Clone ID: 701037560H1

<400> 47901

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<211> 120

<212> DNA

<213> Glycine max

<223> Clone ID: 701037561H1

<400> 47902

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aaaaatgcaa accgaattgt agaggaaaat gagagacatt gtttctgtca tggaaaacta 120

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<211> 155

<212> DNA

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<400> 47903

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cttctcttgc tgtattctat ttcttctcct ccttggagaa gagttttgcc tttaaagcag 120

caagaaagga ggacacagca agcagcaatc ttcac 155

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<400> 47904

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tgttcatcgg agggactggg tacatcggaa aattcatcgt ggaagccagc gccaaagctg 120

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<211> 170

<212> DNA

<213> Glycine max

<223> Clone ID: 701037564H1

<400> 47905

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aatgaaaatg ggtggtgggt gcaagtgttt ggtatcgttg gtggtggcct tgggtgttgat 120

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170

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<223> Clone ID: 701037565H1

<400> 47906

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cttcaaaaac tactcttaga ttgcttcgat ggtcgcacac tacaacaagc tgggttaaact 180
agcggcgagg gctttctacg atgatctaac gagtaaagga gagaatcaac ccaaatacggg 240
aa 242

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<212> DNA
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<223> Clone ID: 701037566H1

<400> 47907

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aaacactccc attccaagtt cattgcgaga tcttctaaag cctggccctg caagtgttga 180
aatcgatgat caccctatgc aaattgaaga aacacagtac ccgaaaacct tcttctataa 240
agaagacctt catccaggca aaacaat 267

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<223> Clone ID: 701037567H1

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 ctgcaccttt ttaaggcaga tcttttgggt gaaaattctt ttgactccat tgttgagggc 240
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<223> Clone ID: 701037568H1

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<223> Clone ID: 701037541H1

<400> 47910

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 ctactcacc cgacacgttg aaggcgggggt tggctgagtt catctccacc ttgatcttcg 180
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 tccc 244

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 <212> DNA
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<223> Clone ID: 701037569H1

<400> 47911

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<210> 47912

<211> 126

<212> DNA

<213> Glycine max

<223> Clone ID: 701037496H1

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caaattcaaa ccgggtcttg gttttctgaa agatgggacg tggcaaggac aagcatcatg 120

atgaat 126

<210> 47913

<211> 200

<212> DNA

<213> Glycine max

<223> Clone ID: 701037505H1

<400> 47913

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<210> 47914

<211> 149

<212> DNA

<213> Glycine max

<223> Clone ID: 701037506H1

<400> 47914

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aaagttcata gttggaccct gtcaccgca 149

<210> 47915
<211> 269
<212> DNA
<213> Glycine max
<223> Clone ID: 701037507H1
<400> 47915

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aatgaaccaa ggaaacattg ctaaattggag gaaacaagag ggagacaaga ttgaagtggg 180
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ggggtacctg gctaagatac ttgctccag 269

<210> 47916
<211> 268
<212> DNA
<213> Glycine max
<223> Clone ID: 701037509H1
<400> 47916

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ggcactaggt acaagttata gagatcggtt gagtgagtga ttgaaattct tgagaccac 120
atcgtgtgtg tttgttttca ttcctcggag gatattctaa agatgggtgc gagaacccca 180
ccaaagcaga agaagctggt ggctgctctc aaccctgttc tgattaaaga aacactcaac 240
aagtggtatc agtgcgtggc tcggctgc 268

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<211> 269
<212> DNA
<213> Glycine max
<223> Clone ID: 701037510H1
<400> 47917

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ggcagatgat tttgtcctgc tgcagcagc 269

<210> 47918
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701037511H1

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<212> DNA
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<223> Clone ID: 701037512H1

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gcactatgct ggaccacgg aggtgcagtg gcatgcaaag gctaggatca atgcaggggc 240
taacttctat atcgttggtc gtgacccc 268

<210> 47920
<211> 270

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<212> DNA
<213> Glycine max

<223> Clone ID: 701037513H1

<400> 47920

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ccaatatcgt ggagcattgt cctcaattgg 270

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<212> DNA
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<223> Clone ID: 701037515H1

<400> 47921

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ttgacacctt gtttctctct tgtaatttt tgtacctaat gttagtata tatgttgatg 120
gaacagcatt ttgctccatt ctgattggg aacagtttga gaactgatat tggattgtca 180
ttgagtgctt atgttggtta cagcttccat ttgcatcaa tatatgtgga tttgaat 237

<210> 47922
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<212> DNA
<213> Glycine max

<223> Clone ID: 701037518H1

<400> 47922

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ccactttcct tttttctctt ctttgtctct ctctttctac ctacatcac acattctcat 120
cctcttttta tctcttccc ctccaaagct gagagagcca caacacaacc aaaaccctat 180
attattcact tggtaaaca ctctttcact tgacaaaca acatttcgtg tagctacaat 240
ggaagcgtat tactacaaga ggcaccatgt 270

[illegible]

<400> 47923

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<212>	DNA
<213>	Glycine max

<400> 47924

<210>	47925
<211>	270
<212>	DNA
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<400> 47925

19037

cattatctca tggggctcca ccggttttag

270

<210> 47926
<211> 194
<212> DNA
<213> Glycine max

<223> Clone ID: 701037525H1

<400> 47926

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actccgccat agtcttcacg gagacagaga tcggaatctg attcccaaac ggcaacagta 120
tgagcgtcat cgacattcta acccgagtcg attccatttg caagatacta gacaaatacy 180
acgtcgaaaa gcac 194

<210> 47927
<211> 194
<212> DNA
<213> Glycine max

<223> Clone ID: 701037526H1

<400> 47927

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tgaaggaatc tagcttcttt cattttctcat cactattctt aggtctgagg gctcattgcc 120
attatcatgt caaggaggcc agtaaatccc ttccgcatcg gttcaggctg atcgcgtgcy 180
aagtcatacc catt 194

<210> 47928
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701037527H1

<400> 47928

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ggggaagtgc agcttcagcc tcacgcggtt atgcaaaacc ctagtgattc ggaccctttg 120
ctccataacc aggaggagga ggaggaggat gaggcaccgg gaagctctgg tgagatcaag 180

aatgaggaag aagacgttga ggctggatta ctcccctgtt gtcgaatttg cctcgaaagc 240
gattccgacc cagaggatga attgat 266

<210> 47929
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701037528H1

<400> 47929

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caagacaccc tagccctctc tctctctctc tttttaatcc cactgaactt cttcacaact 120
ttgggatttg aattaacgag agccaacaaa actggagaaa gggttttgaa ctttctgac 180
cgggttttgc atctttccat catcgccacc atttacttcc attatatgtt actttcactt 240
tattttatct tatatgcac ttagggtag 269

<210> 47930
<211> 194
<212> DNA
<213> Glycine max

<223> Clone ID: 701037529H1

<400> 47930

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gtcagggccc attttaaata ctttatcaag tgccaatgtc ttgggtcagt caagtggatc 120
atctaggcgg gctgctgttt ctagtagccg tgatgcattt gttggtgctg agtcagatat 180
tcggactcgc actg 194

<210> 47931
<211> 193
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701037530H1

<400> 47931

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 ttcaagcaact cttccatcag attcaccctt tcgtttaacg caaactcata acttgaaggt 120
 taatggctgc tccaccggca agggctcgtg ccgattacga ttatctcata aagcttctct 180
 tgatcggtga cag 193

<210> 47932
 <211> 152
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037533H1

<400> 47932

cttttaccaa gtgcaggttg gattcagaat gcagctteca cagtatattg ccgcatcatt 60
 cttctgccta atctgctcat ccattattta ctatggaaaa gcagaggcgc atcaagttaa 120
 tttctatgtg cacaataaat gtccctttcc aa 152

<210> 47933
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037534H1

<400> 47933

ctgacgtggg gtggtatagc ttttttttta atctgttatt agtatggtta taaatattag 60
 ttggaagatt aattagaatc tgtaattttt tctttctttc tttttttctc aaataatata 120
 ataaactcga aagcaacggc tgagattggc tttgagggtt gacacgtccc ttttatcttc 180
 cacactcagt tcccaccttt ccttctcagt cacacaaact cacaccatgt tgtgtcaagt 240
 gtgaactcaa aacatatttc tctctttctt t 271

<210> 47934
 <211> 147
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037536H1

<400> 47934

0053113.032200

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 agacaacaaa catataggga ccaaacaaac aacccttgc aaggccttcg gccagggcac 120
 cctgcgtgct actactgtcc agtgtca 147

<210> 47935
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037537H1

<400> 47935

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 ttgttttctt tcccagaatt tacgctcttc ttactatcat caagatacaa aatggaatat 120
 cgacggacca gtggtaggca ggaaaccggt ggccgtgaca gaagacaatc taaaagggaa 180
 caggcatatc aggactctct tattgaggat ttgtcacagg attttcgttt gccaatcaac 240
 cacaggccaa cagaaaatgt tgatctgga 269

<210> 47936
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037538H1

<400> 47936

gaagcattac aaccataagg tggatgccta tagctttgct atagtgttgt gggaactcgt 60
 ccataataag ttaccttttg aaggcatgtc taatttacag gctgcatatg cagcggcatt 120
 taagaatata aggccaagtg ctgatgagct tcctgaagat ttagctctga ttgtgacctc 180
 ttgttggaag gaggatccaa atgatcgacc caatttttagt cagataatag agatgctgct 240
 tcgatatcta accaccattt caccgtc 267

<210> 47937
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037494H1

<400> 47937

gaagaaacct gagattggtt ggggtgaagct gaacgtggat ggttcacgcg acccatacaa 60

aagttcctcc gctggttggtg gtggtgttct gagggacgca tcagcaaagt ggctccgtgg 120

ctttgctaaa aaactgaacc ctacttatgc agtgcaccag acagagttag aagccattct 180

cacgggcttg aaggtggctt cagagatgaa tgtaagaaa ctaattgtgg agtcagacag 240

tgactctgtg gtgagcatgg tggagaatgg ggtaagccc aatc 284

<210> 47938

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701037540H1

<400> 47938

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gtagaagata cagatatttg tatcatcaag gagccagatc atgttgtagt ctattcagat 120

ggcatttccc atgattcagg tcatgaagct ggaagtgatc atcacaatat tacagagtct 180

tatgaacaaa tcaatgagac tactgaacat catagttcag aggagagtgc aaaggaatat 240

gaggtgaagg aatgtacaac agaaat 266

<210> 47939

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701037454H1

<400> 47939

gttggttccc ttcattctatt ttttcttcgc ccccttttgt gtttcttttt ttggttggtt 60

gttctttctt ctcgttcgtc gcttttgat ctctctctgc aacctgtcc gccgagaaag 120

agagagagac ccaggtttac ttggccaagc ttgccgagca ggccgagaga tacgaagaaa 180

tggttgagtg tatgaagaaa gtagcaaac ttgatcttga tctaactgtg gaagaaagga 240

acctctctc agtgggatac aaaaatgtga ttggtgcacg a 281

<210> 47940

<211> 290
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037455H1

 <400> 47940

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 cgagtggatc tggatggtaa ccccatcaag ccacttacga tctgcatgat cggcgctggc 120
 gggttcatcg ggtcgcacct ctgcgagaag ctcatgtccg aaaccctca caccgtcctc 180
 gccctcgacg tctacagcga caagatcaaa cacctcctgg atcccgccga ttccccctc 240
 ccttgggctg gccgcatcac ctccacccgc ctcaacatca aacacgactc 290

<210> 47941
 <211> 165
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037456H1

 <400> 47941

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 ttctccacaa caacagcagc cattattgat tccccttcac ttgctcagag aatcagagat 120
 ttgcctaagg acctccctgg aaccaacatc aagaaacatg tttct 165

<210> 47942
 <211> 153
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037457H1

 <400> 47942

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 cttttggtga ccactttgag tgagagaaga gaaattaaga gagatactca aattagattc 120
 aagagagatg gccatcaacc atgaaacttg ggc 153

<210> 47943
 <211> 288
 <212> DNA

<213> Glycine max

<223> Clone ID: 701037458H1

<400> 47943

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 ttggcaaaac aagttccttg tacatgaagc acaacacaga gcatgaccct ccatactgga 120
 gaggtcctgt ttggataaac atgaattaca gaattctttc agcactccac cattactcca 180
 aagagaatgg gccatatcag gagaaagcta aagccatcta caaagaattg agaagcaatt 240
 taattagaaa tatagtgcgc aattatcgac agacgggatt tttgtggg 288

<210> 47944

<211> 162

<212> DNA

<213> Glycine max

<223> Clone ID: 701037459H1

<400> 47944

cggaatcggc tcgaggtaca tgagaagaaa cgagtttctg tgtccccatt tccaatggtc 60
 caacctttga acacaaacct gtccatttta cccagaagca ccgaaaagaa gaaagactgt 120
 gtgctgtacc cgcgtaaaac aagacccttt tgaaacgttt cg 162

<210> 47945

<211> 286

<212> DNA

<213> Glycine max

<223> Clone ID: 701037460H1

<400> 47945

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 ggttttgtct tggtaagaa ggaacgtttt ccgccgtgcc aagaaggaga agtcacaaac 120
 tcaattggaa gtggagggtg tgattcccaa ccactttcac tgcccgggtga gtctggagct 180
 gatgacagac ccagtgactt tatcaaccgg catcacctac gaccgtgtga gcattgagaa 240
 gtggatcgag ggaggggaaca gaacctgccc cgtcaccaac caggtg 286

<210> 47946

<211> 149
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037461H1

<400> 47946

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 catgttccag attgcagcct caaaattgca aagtttagtgg cacagctgga gttggctgaa 120
 gaacagctta agatatcaga tgatgaaat 149

<210> 47947
 <211> 175
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037462H1

<400> 47947

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 tgtttccctaa ctgaatccga caatatctat ttttgcacg ttaatactgt ctctcagttt 120
 gtcttaattt aagataaaat gcaatcagat aatggcaagt tatttatcgg tggaa 175

<210> 47948
 <211> 154
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037463H1

<400> 47948

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 aagccacctt ctttgattca agaaatcaac accgagtttt caaaatccca ttttgttttc 120
 ccttcctttt ttcctatata aaccaacctt ttaa 154

<210> 47949
 <211> 161
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037464H1

<400> 47949

tggaagcgtg gtggtcttgg ttggcgggta tgcccaagaa catcagatca gcaatggcaa 60
cctcttcttt cttcttcacc ttgctattac tgcttctcac tgtttcagat ttgtttgtgc 120
aaagccgtgg ccttaatttt ggaatcaact acgggcaa a 161

<210> 47950

<211> 173

<212> DNA

<213> Glycine max

<223> Clone ID: 701037466H1

<400> 47950

atcaagaggg aaatcaaaat attacagaat ctttgtggag ggcctaatat tgtacagttg 60
cttgacattg ttagagacca acagtcgaag accccaagtc ttatatattga atatgtcaat 120
aacactgatt ttaaagtgtc ctatcctaca ttgtcagact acgaaatacg ata 173

<210> 47951

<211> 149

<212> DNA

<213> Glycine max

<223> Clone ID: 701037467H1

<400> 47951

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tttgaagtgt tgggaatgtg ctgtgctaca gaagaagcac tggttgacag acttttgaag 120
cctcttcgtg gagtcaaaga cgtctcagt 149

<210> 47952

<211> 147

<212> DNA

<213> Glycine max

<223> Clone ID: 701037468H1

<400> 47952

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ctaataactc tagtagtagc cacggcaatt ctttctcca gatgcccccc atcaagttta 120

ccaagctctt catcaatgga gatttcg

147

<210> 47953
<211> 198
<212> DNA
<213> Glycine max

<223> Clone ID: 701037470H1

<400> 47953

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ctcagagacc tcgtaccaca aaacatagat ggcacagata ggctgatca tgtggatcta 120
gctgctcttg aaatttatag agatagagag aggagtgtgg ctagatacaa ccaattcagg 180
agggcattac tgttgata 198

<210> 47954
<211> 153
<212> DNA
<213> Glycine max

<223> Clone ID: 701037471H1

<400> 47954

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acagcctgaa tcctctatag atcgaaactg ttaagtttcg acaaacttga cacaaggaca 120
ccatcaacat cttgaagagc tcgctgtgtt gtt 153

<210> 47955
<211> 149
<212> DNA
<213> Glycine max

<223> Clone ID: 701037472H1

<400> 47955

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ttcactcgct cgcacgctcg cagccggac actttccggt gccgcacttc cgtttcctga 120
tctcgatctt ggcggattcc tccccatcg 149

<210> 47956

<211> 129
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037473H1

 <400> 47956

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 tctttctctt tctgggtctc cattaaattt ttcttctctc ccttctttct ctctctctct 120
 ctctgacca 129

<210> 47957
 <211> 161
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037475H1

 <400> 47957

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 cagagcttct ggcaattggg tgatgaactc cgtgggcact caaaagcatc ggaggatcac 120
 aagtggttaa tggttgctc gaaactggcc gaacagacaa g 161

<210> 47958
 <211> 282
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037477H1

 <400> 47958

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 caaagtgtgc ttggagaagt ggctggacta ctggaacatt acatgccac tttgccggac 120
 tcccttgatg cccgaagatg acacaccttg ctttcagtaa gcaaaacaag tgagcatgcc 180
 aataagagag agtttcatgt acagtgtagt gtacatatc ttgagggttc ttgatgttca 240
 cgcactctgag ttctgccacc tttttaagtt ttaacctttt tg 282

<210> 47959
 <211> 288
 <212> DNA

002200-ETTES60

<213> Glycine max
<223> Clone ID: 701037478H1
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acggcggttg ctcgcacccc accaccggcc acgtcaccca cgtcaacctc cgcggcgagt 120
cccaagaccc aatgttccag aagcttgccc gctccggcta catgaccggg aaaatatcgc 180
cggagatttg caaccttagc aacctcacia ccctcatcgt cgccgactgg aaggccgtct 240
ccggcgagat ccccgcttgc gttgcctcac tctacactct ccaaattcc 288

<210> 47960
<211> 154
<212> DNA
<213> Glycine max
<223> Clone ID: 701037480H1
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cgttctccga ttctctcgtt gagaatcgtt ggtcgcacat cgctcacagc agcgccttct 60
tccgacacia caacctcaac ctcaacctcg ttgaagctca aacgtcttgc acctggtctc 120
gtggaattgt catcgccctt gaagagcaaa gaga 154

<210> 47961
<211> 194
<212> DNA
<213> Glycine max
<223> Clone ID: 701037481H1
<400> 47961
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cgaagaatgg agccgggagg gtcaccgggt tgcaagtgcc cttccacagg ccggttttct 120
tacgattctt ggaggccggt gggctcagga ggacgcagcc gttgagatag ctgaaaaaat 180
ttctcagttt gtat 194

<210> 47962
<211> 149
<212> DNA

<213> Glycine max

<223> Clone ID: 701037482H1

<400> 47962

gctttgctct tctagtcttt ttctctttaa tttctctcaa ttactcatca tattcccctc 60
tttctgtaga tatctacact gatatcatgg agaacaaagc cctctttagg cttcttggtta 120
ttcttctggc tcttttcttc gttgtattt 149

<210> 47963

<211> 118

<212> DNA

<213> Glycine max

<223> Clone ID: 701037483H1

<400> 47963

cgagagtact gatgcaagtg cgacgaggac tgtctgtatc ttttcttttc ttaatagaca 60
gctgatatta tagttgtatg aacgttaaca tgataaatat attgtcaact ccatttat 118

<210> 47964

<211> 126

<212> DNA

<213> Glycine max

<223> Clone ID: 701037484H1

<400> 47964

tacgtcacca tcagatgcac ccaggccttc tatagtttct accttcttgt caagctggag 60
gttgatgtgt agggtaactt gaggagtgt aacaacaggc gagctactat tgattgacaa 120
ctacaa 126

<210> 47965

<211> 152

<212> DNA

<213> Glycine max

<223> Clone ID: 701037452H1

<400> 47965

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gtctttctcaa cgaatacatg gtcgacgaac catcttggtc aacaccaaga aagagactct 120

tcaatttacc ttgtgtttca tccatagaag aa 152

<210> 47966

<211> 127

<212> DNA

<213> Glycine max

<223> Clone ID: 701037486H1

<400> 47966

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attgctagta actctgcgac tttttcaaaa ggtatggaag tctcgcatca gattgcaaatt 120

gcgtacc 127

<210> 47967

<211> 140

<212> DNA

<213> Glycine max

<223> Clone ID: 701037488H1

<400> 47967

gcagcaaagc ttcaatttcc gcttccttca atttttgaac aagcttctcg cttccctagc 60

ttagcaccta catcacagat ctttaacgat aaaataaaaa tggatccaaa cgcggtgaag 120

tccactctct ccaatctggc 140

<210> 47968

<211> 192

<212> DNA

<213> Glycine max

<223> Clone ID: 701037489H1

<400> 47968

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tgctctgagt agtgtgtata cttttggccc cacatttcgc gcagagaatt ctcacacttc 120

caggcatttg gccgagtttt ggatggttga acctgagatt gcttttgcag agttgaagga 180

tgatatgaac tg 192

<210> 47969
 <211> 196
 <212> DNA
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 <223> Clone ID: 701037490H1

 <400> 47969

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 gagaagtaaa actgaactcg ataatctcgt tgaactcagg acaaattgaa tacttaattt 120
 ctcttctctc tagaaacgta tagacgaaac aatttctatg actatttctg cttctgcttc 180
 agatgcaacc ttttag 196

<210> 47970
 <211> 191
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037491H1

 <400> 47970

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 gcattcacca cccaaagcca aaccctattt ctctttcttc cctgtttggt tctagccagc 120
 acaatgagga gaggagctaa gagaaagacc aagcaggacc aagaagccaa acacgacgca 180
 cccgaagata a 191

<210> 47971
 <211> 284
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037493H1

 <400> 47971

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 aaatcgttca agtcccagaa ataccagctc cataaccagc tttcttcttg gtgtctaggg 120
 aaaaaggtaa aattttgagg ctcaataagg aacattcgac atgttcaggt catctcagca 180
 gaggaattcg agatgcaaag acttcaaggt gaaacatgct cttcaaatat gtgttcttct 240

tggcgtttgt atctggatgg cttatctagt tcagcattct cgtg

284

<210> 47972
<211> 290
<212> DNA
<213> Glycine max

<223> Clone ID: 701037412H1

<400> 47972

gcttcttcga gtttcacagc caagtcgtaa aagggtttca agggatggaa aacatgcaga 60
gcttctcgca attgggtgat gaactccgtg ggactcaaa agcatcggag gatcacaagt 120
ggttaatggt tgccctgaaa ctggccgaac agacaagatt gaagggggag cgtgtgaaca 180
accttgatct ttcaaaggga ccattgaaa caaggtcaag ggataaattt gggttccagg 240
aagagaacaa atttgattct ctttaactga gcatgttgaa cctggactct 290

<210> 47973
<211> 156
<212> DNA
<213> Glycine max

<223> Clone ID: 701037414H1

<400> 47973

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ttcattgcag attcatgtc atcgttgac aactaaaact ctcttatttt gcgttcagtc 120
aatcatttta ttacatgtg ctgtttattt tctagg 156

<210> 47974
<211> 155
<212> DNA
<213> Glycine max

<223> Clone ID: 701037415H1

<400> 47974

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acggctagac ttttcagttt tcaccccta ttaataacaa accattaccc ccacccctca 120
gaatcttcat cttcaactca gctactccta ttac 155

<210> 47975
 <211> 160
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037416H1

 <400> 47975

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 gaaacccacg gcaacattct tctttctcct tccttcaaca acactcggtg tttgtctttg 120
 ccttggaatt ggaacaacca ccctctttat aaccctcctc 160

<210> 47976
 <211> 169
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037417H1

 <400> 47976

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 cagaacatat ccacaacaca gctgagaagt tcattttcaa aatggccggt ggggtgggtc 120
 ctgtcgatgc atcaccgatt ggacatggct tcgttgcaa gataacgct 169

<210> 47977
 <211> 155
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037418H1

 <400> 47977

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 ctccgctttc gtcttctctt ttcaagagaa agtgcagctc tgagaattta ggttctggaa 120
 agtgcggtag ctctcttagc cgctgtcatt gtccc 155

<210> 47978
 <211> 156
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037420H1

<400> 47978

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aacaggctgt gaaggccatc aaagcagctg aggaaggaag aacagttgag gagtatgatt 120

accttccata cttctattcc cgttcatttg atctgt 156

<210> 47979

<211> 154

<212> DNA

<213> Glycine max

<223> Clone ID: 701037421H1

<400> 47979

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gacggcgagc tccgcctctg ggacctcgcg gctggcacct ctgaccgccg cttcgttggc 120

cacaccaagg acgtgctctc cgtggcggtc tcca 154

<210> 47980

<211> 134

<212> DNA

<213> Glycine max

<223> Clone ID: 701037422H1

<400> 47980

tgctgctatt gctgcatctc aggcactggt attccaaaaa gattcgcaac caactctggc 60

ttcgacatct gctggtcgtg agaactgggg agagaccaac atggctgatg ctagccctag 120

gactgatact tcaa 134

<210> 47981

<211> 131

<212> DNA

<213> Glycine max

<223> Clone ID: 701037423H1

<400> 47981

aaaagatggc gcggttgatc acagtgggtg ggtgcgcggt ggcggtgcta ctgtgcgccg 60

cggcggggcgc gtcgtgggtg gaggaggcgg cgaacccgat acgaatggtg gcgggggtgg 120
aggcggaggt g 131

<210> 47982
<211> 152
<212> DNA
<213> Glycine max

<223> Clone ID: 701037424H1

<400> 47982

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caattgacag tggtgggatc ctgcagacaa gtaacggcgg aggatctgtt gcgatgtcta 120
tcgataatag cagtgtcggg tccaatgatt cc 152

<210> 47983
<211> 181
<212> DNA
<213> Glycine max

<223> Clone ID: 701037425H1

<400> 47983

gccgcagcag caagtgatcg aagcgaaaag agagtaatca gcagagaaat tcatcgtcgt 60
agttatgggt aaagttcacg gatcacttgc acgtgccggt aaggtttagag gccaaacccc 120
aaaagtggcc aagcaggata agaagaagaa gccacgtggc cgcgctcaca agaggatgca 180
g 181

<210> 47984
<211> 200
<212> DNA
<213> Glycine max

<223> Clone ID: 701037426H1

<400> 47984

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gtccacttaa aaataaaaaa gccctgaaat atctgaactt aaaagccaca cttttatttg 120
ttgtgtgtga ggtttgattt gatgggaaaa tatcttgaat ctgcggcgag gttggaagag 180

ctatcgcgga ttgtgtcatc

200

<210> 47985
<211> 288
<212> DNA
<213> Glycine max

<223> Clone ID: 701037427H1

<400> 47985

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tggtgaagtc tataaaacttt ctcttgcttc tgtctctact agcctttgtt cctcctgttc 120
actgcaaaaa gaaaatagga ggttacctct accctcaatt ttacgacggt tcatgccccca 180
gagctcaaga gattgtccaa tccatcgctt ccaaggctgt ggcaaaagaa ccccgcatgg 240
ctgcttcgtt gctcagacta catttccatg attgtcttgt caagggct 288

<210> 47986
<211> 206
<212> DNA
<213> Glycine max

<223> Clone ID: 701037428H1

<400> 47986

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actcttcatg ccactatcta tgaagtcgat aagctcaaaa ttggtggagg caacttttta 120
accaagatcg tacaaaacat cgaggagact gttggtattg gaaaagggtg cactaaacta 180
tatgcaacca ttgatctaga gaaggc 206

<210> 47987
<211> 154
<212> DNA
<213> Glycine max

<223> Clone ID: 701037429H1

<400> 47987

caagctgcat caaggtgaag actggcatca caacgagaca gtcaagcact ggacttatac 60
catagatggg aaggttacia catgtctgga gagtattgaa tccattgatg aacagagcaa 120

aacaatcacc tacaagctct tcagtggatga catt

154

<210> 47988
<211> 153
<212> DNA
<213> Glycine max

<223> Clone ID: 701037430H1

<400> 47988

gttccgaaac tgcctccagg agtcgttcgc ggagattgag gaccagttga gtaaaaacac 60

caaagcggac ttcaacactg tgttcagtga cgcttccttc aacttcatgt tcaggttggt 120

ctgtgatggc aaagaccctt cgcagaccaa cct 153

<210> 47989
<211> 202
<212> DNA
<213> Glycine max

<223> Clone ID: 701037431H1

<400> 47989

gaagaaaaca cctcccccca atttgcata atctagcaaa agtagacaga atgctaattc 60

ccaacttggt gaaacaaaca atgatgcaaa gaggcacaat tctaagacat tgagatcttt 120

gaagtatgct gccaaagaaat gtgtagctgt tttttcattg attatctatg gcaaaagaaa 180

atcagcctca tatgttggtg gc 202

<210> 47990
<211> 151
<212> DNA
<213> Glycine max

<223> Clone ID: 701037433H1

<400> 47990

caaaaatagt agtactattg taacgttggtg acttgtaggg agggaaatgg agggaggtga 60

cggtgggcat tgggtgttggt agttccttct ccgggctcgg taccagtcg tttccagtaa 120

cctactcaag aaagtccttc gaatagttcc a 151

<210> 47991

<211> 154
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037434H1

<400> 47991

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 ggataaggat gccgagccca ctgaatttga ggagacagtt ggacagtact tgttcgactt 120
 ggagaacacc aatcaggatc tgaaaagtga cttg 154

<210> 47992
 <211> 151
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037436H1

<400> 47992

atcttcaggt attgtcttaa gacctgcttt catatatggc aagaggagag tggatggttt 60
 tgagcttcct ttggatttgg taggggagcc agcagaaaaa attctacgag cagtagagaa 120
 cttcaccaaa cctctaagct ctcttctgc a 151

<210> 47993
 <211> 177
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037437H1

<400> 47993

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 ccggcgccct ctactggttc gtctgtgttc tgggccccgc cgagcagaag ggcaaacgcg 120
 ccaccgatct atccggcggc tccatctccg ccgagaaagt ccaagacaac tacaagc 177

<210> 47994
 <211> 201
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037438H1

<400> 47994

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 cttccgactt cgccaatttg gcttccgagg ctcagcgcat gctccacttc ggcgccgatt 120
 ggctccacat ggacatcatg gatgggcatt ttgtcccaa tttactatt ggcgctccag 180
 ttattgaaag tttgagaaag c 201

<210> 47995

<211> 212

<212> DNA

<213> Glycine max

<223> Clone ID: 701037439H1

<400> 47995

gcgacgcgga aacacgcgca tcttcacgat cctggaatcc accgcggcgt atccagcgat 60
 tccgatctcc gacgagtctg cgcaggcgaa gaatcgcgag gccagccgcc ggtcaagaat 120
 cgcgcgattt gtctggaaat cgcgattcag ccacgattca tccccgatac tgagactcaa 180
 ccacgattca ggaagaaaaa cgagacaacc tc 212

<210> 47996

<211> 155

<212> DNA

<213> Glycine max

<223> Clone ID: 701037441H1

<400> 47996

aacctttctc tctcttttac acaaacctaa gctataaacc agatcaacct tacctctctc 60
 cacttcttac tactgtgaag tttgagtttg tgggtgtgcaa gatatgaagg attttaccat 120
 ttaaagagat caacttggtta ggtatatgga gaaga 155

<210> 47997

<211> 175

<212> DNA

<213> Glycine max

<223> Clone ID: 701037442H1

<400> 47997

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 tgcccaagca ccttgacgag aaagtggctt ctctccacct tggccagctt ggagctaggc 120
 tcaccaagct ttccaaagac caagctgatt acatcagtgt gcctggtgag ggtcc 175

<210> 47998
 <211> 202
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037411H1

<400> 47998

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 ttctcattct ctttccactc ccctgcattc tgcacacaat ctagctttac gtgcttctgg 120
 gcaaccgcat aagggttaaac tgtaagcat atcattgaaa tccttttggg attggacatt 180
 gatatgatca tttgtattgg gg 202

<210> 47999
 <211> 221
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037443H1

<400> 47999

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 cgatctttcc gtctccatca tcgtcatcaa cgctcccatt tcctaaacct cagagaggga 120
 tccagctaac agttgtttcc cgctgaaaag ttgcttcccc acagaactgt aaagcaaacg 180
 gttagatgca ccaacacaag caccactaac gaaccattgg t 221

<210> 48000
 <211> 152
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037444H1

<400> 48000

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tccaatccaa agacttcggt tatgaagatt tagcgaaaag ggttgaaatt gatcatggat 120
 ttgggaagcg aatccgtgga agagaatgaa gt 152

<210> 48001
 <211> 152
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037445H1

<400> 48001

aaacaagata cttgttggca acaaggctga tatggatgaa agtaaaagcg gtgtacctac 60
 ctccaaaggg cacagcattg ctgatgtctc tggatatcaag ttctttgaaa ctagtgcaaa 120
 aaccaacatg aatgtggaag aggttttctt tt 152

<210> 48002
 <211> 154
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037447H1

<400> 48002

tcgagtttca cagcgaagtc gtaggaggggt ttcaaaagat ggagaacatg cagagcttct 60
 ggcaattggg cgatgaactc cgtggacact caaaagcatc ggaggatcac aaatggttaa 120
 tggttgcttc gaaattggcg gaacagacaa gatt 154

<210> 48003
 <211> 153
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701037448H1

<400> 48003

atattttggt gcgacctatg gcctcagagn cagaagctgc tcttgctgcc actccctctg 60
 atggtccac cgtatttgac aagatcatca ataaggaaat tccttctact gtggtctatg 120
 aggatgataa ggtccttgcc tttagggaca tag 153

<210> 48004
 <211> 153
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037449H1

 <400> 48004

 cggctcgaga aaacaatttc agatcttacc acagaattga atgagcagca aagtcagctg 60
 cagggaaaga aagaattgga gttgtcttta gaggaaaaag cagaagaatc tgccaagatt 120
 tcattctgaac tcaatttttt ggagaagagc ttg 153

<210> 48005
 <211> 140
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037450H1

 <400> 48005

 ccaactttga gattgagcca tctttcgggg ttgaggcttc tgagttgtac ccggatgtca 60
 actacaccac cgtggaagaa taccttggtc agttcgcttg agaatttaaa aggagaaaaga 120
 tgctcttggtg atcggatatt 140

<210> 48006
 <211> 172
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037451H1

 <400> 48006

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 gccgcacaat tttccttcac tcgcagcgga ggtttacttt tgatctagta cctgctatcc 120
 ctatgtataa gcatggactt ctagcatact attgtttgat taaccaagtt ct 172

<210> 48007
 <211> 259
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037375H1

<400> 48007

gttttgaaca tgctcattct ctgctggcaa atctatcctt gttttgggag gagctggtgg 60
agttggaaac tatgttattc agctagctaa acaagtttat aaggcgtcta agatagcagc 120
aactgctagc accggcaaac ttgaactttt aagggagttg ggcgttgact tgcctattga 180
ttacacaaag gagaacgtcg aagaccttcc agaaaaatac gatctagtgt atgatgtagt 240
agggcaaggt gatagagca 259

<210> 48008

<211> 267

<212> DNA

<213> Glycine max.

<223> Clone ID: 701037376H1

<400> 48008

tacaagcttc gtctcgtaaa gaaaattcga aagctcaata gagagaactc aattgaatca 60
tcaaatgagg acagtgattt cgcgcttgat ccattccacg ccttccattt ccagggtcaa 120
tgccacggta gtgtcaatca gcgggagaaa tctctgcaca gattctaaca aagttcctgg 180
gccattcaaa gttgaagaag cagagactgt aaatgtgcct ccactcccaa cagaaaagtt 240
gcttgtgttg ggagggcatg ggttgtt 267

<210> 48009

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701037377H1

<400> 48009

gaaaaagcaa aaactgaa tacacaaaa atggccaaaa gcaaaaactg tcatgctttg 60
cctcttctcc ttgccctgat cctcttcttc actcttcttg gaacctctca cgcaggtggc 120
atagccatct actgggggca aaatggtaac gagggcacc tctcagaagc atgtgcaaca 180
ggcaaataca ccacataaa catagccttt ctcaacaaat tcggcaatgg ccaaacccca 240
gaaatgaacc tggctggtca ctgaaccccg caac 274

<210> 48010
 <211> 258
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037379H1

 <400> 48010

 gcgaaatttg cctcttgacg gagagaaatg attatagact aaagaggatg agaatttttg 60
 ggggctatga tccttggtat tccaattatg cagaagaata cttcaataga aaagatgttc 120
 agtcactctt tcctgcagat actaaaagag acactaacgt agcatggaag gtgtgcaagt 180
 ggccttaaga tttggattta cagtggagat gcagatggaa gaataccggt gatagggaca 240
 cgatattgcg ttgaggct 258

<210> 48011
 <211> 249
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037380H1

 <400> 48011

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 ataatcataa taatagcatg cgcttgatg gtctgaactt cggtcgttga catgcaatgg 120
 ttcttaatat aatatgtcgt ggtgtcaact gtcgagtcac gaacaacaat atctgagatt 180
 gtatacacct ttctctctta aacacaccga aagaagtgag atcgtaatgt ctatgaaccc 240
 attttatgt 249

<210> 48012
 <211> 162
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037381H1

 <400> 48012

 cgtttcttcc tcttactcag tagtgcgatt ttcgattcgc ttctctgcaa ctatgcctaa 60
 gcctaaggac ttcttcgaca tgaccatcgc ggggtcaacct gccggccgca tcgtgatcga 120
 gctctatgtc gacgtgactc ccatcaccgc tgagaacttc cg 162

<210> 48013
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037382H1

<400> 48013

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 tttgccactt cttgattcca ataatttttg tttctttttt tcccctaatt tgatttcccc 120
 agttagggtt ttttaactcta ttcgatcggc gatttcgaat actcggaggc tcgaatcgtg 180
 ttggggggtt tccgttttga ttaaaaaagt ttccgttttt ggtggtgggt gatcaagggt 240
 tgtttgattt tttcttgcca tcgagaaggg tg 272

<210> 48014
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037383H1

<400> 48014

ctgcactaac actatagtgc ttaccgagtc aactctgac cccatgatat catggcggaa 60
 gtttacaaga atgggccagt tgaagttgca ttaccgttt atgaggattt tgcttactac 120
 aaatcaggag tttacaaaca catcactggt tatgaactag gtggatcatgc agtaaagcta 180
 attgggtggg gaacaactga tgatggggag gactattggc ttcttgcaaa tcagtggaac 240
 agagaatggg gagatgatgg ttactcaaga tccga 275

<210> 48015
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037384H1

<400> 48015

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 cgcgtaagag ggtggatttc gcgcgcgacg acaagggtga gatctgcggc aacgaggatg 120

gcttcctcgg ctctactac caagccacgg tcgtgtcgcg cctcgacaac ggcctctacg 180
 tcgtacgctc acgacacgct cctcgaagac gacgcatcac aacaaccct taccgaaacc 240
 cttttcccca aagaactccg tccccagcgc cacgtgt 277

<210> 48016
 <211> 222
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037385H1

<400> 48016

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 caaacccctaa ataatggcgt cggaatccac cggagacgag aaatcatggg agcacatcct 120
 tcgccgcatg ctccccgacg gcgcgcgcgt tgccgactag gagcacctcg attactccat 180
 cgccgtcgag tacgaacgtc ctccggattc ttacgacgtt cc 222

<210> 48017
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037386H1

<400> 48017

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 tggataatga acaaaagcgt gtagttatgg cagaagcaag tggagacttt gttgatgttc 120
 tcttttagttt cctgaccctt ccattgggaa ctatcatccg gcttggggaac caatttcaac 180
 taccggtaca gattggtagc atcaacaatc tgtacgagag tgtgcaaaat ttgagccctg 240
 atgttttctg gaacaacatc tgccgaaaat g 271

<210> 48018
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037388H1

<400> 48018

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 attttctgcg ataattttcc attgggtgga agacagtctc aacctttatt cgaaagagca 120
 aggatctgag ttgagttgag tgatcatgtg tgggtggtgcg attatctccg acttcatacc 180
 ggcacgtccc gccagcgggg cgcgggcgct gaccgccgac atcctgtggc cgagtttgag 240
 gaagcgctct cgaagccgct gtggacg 267

<210> 48019
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037389H1

<400> 48019

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 acctcaaggt tttctacttc cactggtctc tcccttatgg gtgtcatgat tgtgtgttgc 120
 actcttcctg tgactcttgt tcacttcctt cagtggggta gcatgttctt ccttccttca 180
 aaggatgtca acaagtccac tgaggaatac tattacaccg ctgagtggaa cgaggaagag 240
 aagctaaaag ggttgcaccg aatagtctc 269

<210> 48020
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037390H1

<400> 48020

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 aaaaagaaca agatgttccg gctgtaagtg aaagacaaaa tgtaactgaa cctgccaaag 120
 ctgctccgct aggattgggt gtgggtggtt tagagcgcaa gaggagaact agacttcaac 180
 ctctgtgaag taaaggtgct gatgatagat catccagttc ttctgccaat caaaatcagc 240
 aaaccagaac agatggtcgc atatattg 268

<210> 48021
 <211> 268

<212> DNA
 <213> Glycine max

 <223> Clone ID: 701037391H1

 <400> 48021

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 gaagatgggt aaggaaaagg ttcacatcag tattgtgggc attggccatg tcgactctgg 120
 gaaatccact accactgggc acctgactta caagcttgga ggcattgaca agcgtgttat 180
 tgagaggttt gagaaggaag ctgctgagat gaacaagagg tctttcaagt atgcctgggt 240
 gctggacaaa cttaaggcga gcgtgaaa 268

<210> 48022
 <211> 262
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037392H1

 <400> 48022

 ggccgcgtca gaaggtatat tttgagtcg aggatgtgta tgcttgtatt gtcacatgtg 60
 gaggtctttg tcttggtgtc aatacagtga tcacggaaat agtttgtggg ttataccata 120
 tgtatggggg gcacaaagta ctgggaatag agggagggtg tagaggtttt tattcttgca 180
 atactattcc attgacgcca aaggttgtga atgacatcca caaacgtggg ggaaccatcc 240
 ttggtcactc tcaaggagag ga 262

<210> 48023
 <211> 271
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037394H1

 <400> 48023

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 aaagaaaatg gcgttgtaca tggacgaaga agagatttgg aagtgtccga agcatccatc 120
 aaagagaaga agaagcggaa tttgccctac ttgccttcga gaccgtctcg taactctttg 180
 ccctgactgt gctaacgtgc gtcctgttc ctgctacgca accagctcct cctcctcttc 240

ctcgtcttcc tctccttatac ggtttttctg g

271

<210> 48024
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701037395H1

<400> 48024

gctctcagga ccatcaacct tetaaggaga agagtccttg gattgatgag attgaccagt 60
ttccagtcga tggttcctagg gtatcttcca tttaaacaat gaatttttta aatatttggtg 120
tatcactatc agcattaggt ggtagctgtt ggactggtga aattatcctg caaagttggtt 180
gtaatacatt gctaatttcg gagtactgta ggattttatt tttaggacac aacttagaat 240
gcatgcagtt cataagatgt tt 262

<210> 48025
<211> 215
<212> DNA
<213> Glycine max

<223> Clone ID: 701037396H1

<400> 48025

ggaccattgg ccaatcgtga acctggaaga gccttttttg atactgctac tagttcttag 60
tctgtctttt aatttgga aa tactagactt ttggataaca ttagttttgc aagagtgaat 120
ttgagttatt ttgtcagcac attccattta cttaaatttt gtttgcgaaac ctcttcgatt 180
tggttatattt aatggttatat tctggtatga tgcac 215

<210> 48026
<211> 179
<212> DNA
<213> Glycine max

<223> Clone ID: 701037403H1

<400> 48026

gcaaagaaag aaagaaagaa aaccctagct taccttttca actttcaaga tgcaaattctt 60
cgtaagaca ctactggta agacaatcac ccttgagggtg gagagttcag ataccataga 120

002220"ETFE560

taatgtaaag tccaagattc aagacaagga agggatccca ccagaccagc aacgtctca 179

<210> 48027
<211> 158
<212> DNA
<213> Glycine max

<223> Clone ID: 701037404H1

<400> 48027

tcggtggtaa gtgtaagctg ccagatggta agtgaagct gccggatggg attgtacat 60
ttgagcattg gaagtgaggc agtgcctgaa ggaattattg ctagaatatc taacttgga 120
atgcagccct tatgggactc tggtaaagat aatagtat 158

<210> 48028
<211> 150
<212> DNA
<213> Glycine max

<223> Clone ID: 701037406H1

<400> 48028

ccaccagctc ctaagaagcc atactactac cattctccac cagctccagt ccaccaccac 60
ccttaccccc atcttgactc gcaggcacac cctgatactc cagcagctcc taagaagcca 120
tactaatatc attcgccgcc aggtccagt 150

<210> 48029
<211> 206
<212> DNA
<213> Glycine max

<223> Clone ID: 701037407H1

<400> 48029

attccctgca attaacataa gcataacccc tttccaacct ttctcctctt cagatcggat 60
cagatcagat ccaccgccat ggatttcattg aaggctcttcg atcaaaccgt tcgagaaata 120
aagagagagg tgaatctgaa ggtgctcaag attccggaaa tcgaacagaa ggtgctggat 180
gctactgata atgaaccttg gggccc 206

<210> 48030
 <211> 196
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037408H1

<400> 48030

taggaggacc ctcagtat ttt gagacagccc acggaacaag cgcttgggga cttcttgaga 60
 aaaatcctga atatttttagt ctcttcaatg aggctatggc aagtgattcc cgaatagtag 120
 acttggcact caaaaattgc acttcagttt ttgaggggct agattccatg gtggatgttg 180
 gtggtggaac tggaac 196

<210> 48031
 <211> 159
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037410H1

<400> 48031

tggtgttact gtttattgtt gctagtgttt gtcttgagtc tctcaactct cataagacgt 60
 cctcttttgg agtcccatgg ttgctctctc ttccgaggag ttcaaccact gctccaacgg 120
 cctctttctc tctcttccct tctctctctc tcagaccca 159

<210> 48032
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037374H1

<400> 48032

ctcacacact cattcgggtgc tccgaatctc agattctagg gttagggttc ccaatttctc 60
 caccgatcag aaaatgagtt caactgggtg ttctaccaag ggcggaagg gcaagcccaa 120
 agcctccaaa tccgtttcaa gatcgagaa agctgggtctc caattccccg ttggaagaat 180
 cgctcgattc cttaaggctg ggaaatacgc cgagcgtgtt ggtgctggtg ctctgtgta 240
 cctctctgca gtgctcgaat actcgctgct g 271

<210> 48033
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037349H1

<400> 48033

cgaccttgaa cgcttcccat cttggtgagt aacacgaatc tgaggaaaaa aaatgtcgat 60
 tatgcaactt tacgggcgca gaagagcgtg gtgaagcggc cgaagaagta cttggaagaa 120
 gcagttttaca tgaagctctt caaagatgga agctcccagc tcatcgttcg ccagagcctc 180
 aacaacttcg tcaagagccg aaagcgcgtt taccaatggg aggtaggcga cacgctcaag 240
 aagcttcgcg atcgcaagct ctatcaaacc gctcttaact atcag 285

<210> 48034
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037350H1

<400> 48034

gttggaaga aaccctagca agcgggaacaa tggcagacgt tgaggtcgat gtggcggctg 60
 cagcagcagc agggcagccg aagaagagaa cgttcaagaa gttcagtttc aggggcgtgg 120
 atctcgatgc gcttctggac atgtccaccg atgaactcgt gaagatgttc agtgctcgcg 180
 cacgtagaca ggttccagag aggcctcacc agaaagccca tggcctcgat caagaagctt 240
 cgcaaagcga aaagagaagc tccaccaggt gagaaccag 279

<210> 48035
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037351H1

<400> 48035

ctgctttttc ccacactctg ctatggcttc agagtcgccg cgcaccctca cttggcttcg 60
 actcgctctc tcaatcgctg attccactcg ttatctcgtc ctcgataagt tcagatggcc 120
 atggagggtta ctcaaactct ttacacgcg caagcagtcg atggcacatt catgcaacaa 180

gccgaagaaa gcttgaaacc atttcaggaa cagaatcttc caagtttctt gttttctctt 240
 actggggcaa tcagcaatga cgacaagcct gagagaatc 279

<210> 48036
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037353H1
 <400> 48036

tagaaactga ggacttagct agtagttaga gatgcctgag ttttgctga caggtggtac 60
 tgggttcacg gcatcttacc tgggtcaaggc cttactagag aagggtcaca cagtgaggac 120
 caccgtgaga aaccagggg atgtggagaa ggttggtttt ctgactgaac taagtggagc 180
 caaagagaga ctgaagattt tgaaagcaga tctattagtg gaaggcagct ttgatgacgc 240
 agtgagagga gttgatggtg tctttcattg gcg 273

<210> 48037
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037354H1
 <400> 48037

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 accgttgatt gaagaagatg ccgatcagaa acatcgccat cggaaggcct gaagaggcta 120
 ctcacccga cacgttgaag gcgggggttg ctgagttcat ctccaccttg atcttcgtgt 180
 tcgccggttc aggttccggc atcgccata acaagctcac cgacaacggc gccgccactc 240
 ccgccggcct catctccgct tccatcgcca tgctttc 277

<210> 48038
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037355H1
 <400> 48038

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 ggagaacaac atttatctga tgataattct gttcatgggt cacctgtgaa tgcaaattggg 120
 aagcaagaaa attctgctaa tgggtgattat acagttgagg atgaatccta tgcacacagt 180
 gaagatgacc tggcaagaag ccccatagct ctagctggga ggagtacggt ggagagtctt 240
 tctcaagact tttcaaattc tcatttttga aaaag 275

<210> 48039
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037356H1

<400> 48039

caaacacagc tcaacaactg tgtctgccc aaagtcattg tgatgttctt cttcttctcc 60
 ttgttcgcct ccacttttca ctgaacactt attactcact cttcatggc cacttcgctc 120
 tctttctcca tttctcccaa aaccaactgcc acaacctcag cttccgatt caaagtctcc 180
 gccatggcta ccaccatcgc cgcccttctt accaagggtg ctcccgcggt cattgtcggc 240
 ggcggaagag tgggtagggc cttgcaggca tgggca 276

<210> 48040
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037357H1

<400> 48040

tggccagaat cgcacttgga agaaccgaga ggccactcag ccagactgca ttcaggccct 60
 catcggtgaa ttcatagcca acttctctt tgtctttgtt ggcgttgctt cttccatggg 120
 cgttgaccag cttggtgggg atgcactagt tggattgggt gctgtggccg tggcacatgc 180
 acttggtgtg gctgtaatga tctccgccgc tcacatttct ggtggccact caaccccgcc 240
 gtcaccttga gctcttgccg tgggtca 266

<210> 48041
 <211> 274

<212> DNA
 <213> Glycine max
 <223> Clone ID: 701037358H1
 <400> 48041

cgaagcgaga tctcctagac agcgagtttc tcttttctct ctctctttca attttcacat 60
 agtcagcgaa aacaaacaaa ctattggaga tttggagcac gaaacacaa acagcagca 120
 gccacctcgt ttcattgttt tgaattcaac tgagaaaaac gacaacgagg atgtttcagg 180
 agagcagcgt gacgctgtgg ccgactcagt ggactcgcta ccacgacaag ctattcgagc 240
 gggcccttct ggtcgtgccg gagatctgcc ggac 274

<210> 48042
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037359H1
 <400> 48042

ggccatatca cactctgtta gcatatggag aagaacactc cattgttgac attgagaaga 60
 gaagagaagc aggagaatgc aatgggggct ttgtacatgt cagttatgga gatactcttg 120
 ttctctctca tattcatatg ctctctcaca ccaatctcac agtcacaggg attacatcaa 180
 tctccccctt ttctctttgg cacttcttct tcttcgtacc agtatgacgg agcttatttg 240
 agtgatggca aagggataag cactgggatg t 271

<210> 48043
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037360H1
 <400> 48043

gtaaggaaga aggcaagaac tggttattac aaccttcaac ggaaccggcg ttggatttgg 60
 tttcggcgta ggttgcggtt tcggtatagg atgggggttc ggaggtctgt gccttacttt 120
 cgaatcgttt ttgacatttc totacctttt gcacatttaa ttttagtacg caattttgat 180
 actccactcg ttgatcttag aattatgagt cttttatccc tgctgtttaa tagcaatctt 240

002230.ET.E50

tttaagctgt tgcattcatt tattat

266

<210> 48044
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701037361H1

<400> 48044

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ttgattggtg tgcattccatg ttaagctagt ggcgatcgga tccagctaca gcctacaacc 120
tacagttttg gtttggtttg cttgattgaa gatcaaggaa ggacagatgt tgggtggttat 180
aaggcacaag agtattcgcc cgccttctc cgcaatcaga cactttctctt ctgcagctaa 240
agagattact gtccaggatg ctctcaactc gcac 274

<210> 48045
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701037362H1

<400> 48045

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gtccatttcc ctttggtttt tctctcttctg atctcttcac cttccattcg accacctctt 120
tatcacagct cgcgttaact taagccctct ccggtgaggg tttctccagg tgtggtttga 180
ttttcagttt ctgatgctga agaaataaaa aagcttgaag gctttgctct tctgtgtgaa 240
cactgttgga aggtggtgcg 260

<210> 48046
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701037363H1

<400> 48046

taggggatga cagagggagg atgacgggcg gtgaggagcg atcgacaggg attcgaaaga 60

<223> Clone ID: 701037367H1

<400> 48049

atttctcaat catctctctt ttttctcttc ccaccttccc cacaaagtcc ttctctccct 60
 tttgctttaa caagagtggg aataaatatt tattattttt caaattttaa caacaatgcc 120
 ataattaaat aataatttaa aaaaatcatt catttattta tataatagct taattggggt 180
 ctctttttgt aactattctc cttgctcttc ttgttcttct tcctcctttt actccttcaa 240
 caacacaatc atttcatttt ttgtatatatt gggac 275

<210> 48050

<211> 278

<212> DNA

<213> Glycine max.

<223> Clone ID: 701037368H1

<400> 48050

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 agaacacttt cggttctcgc taggggtcaaa ttttaataata tatgagatcc tctgtaaata 120
 gatgctgcaa gatgtaaact ttctgctgtc gatagtcgat gcctatcctg tttattgctt 180
 atgggtttacg tatctattga gcagatattt tgctgctttg attatgtgca ttctcttcaa 240
 attatggatt tcaatatatg aatttagatt ttatgctc 278

<210> 48051

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701037369H1

<400> 48051

gaaggagata gtgaaagagc ttcttctctt aattcgagtg tacaaggatg gcagcgtgga 60
 gcgtcttcta agctctgaaa acgtggcagc ctcccctgaa gatcccaaaa ctggagtctc 120
 atccaaagac atagtcacgc cagacaaccc ctacgtctcc gctcgcattt tccttcccaa 180
 atcccaccac actaacaaca aactcccatc ctctctctac ttccacgggtg gcgccttttg 240
 cgtcgaatcc gccttctcct ttttcgtcac cgctatc 277

<210> 48052
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037370H1

<400> 48052

gtgttagtgg cagtagcact actcccttat tgtgctcttt gttctttatt tcttccttac 60
 tttttgcttc ctgcacccat gctcctcccc aggcacctcc tccaattgtg gatggacttt 120
 catgggattt ctataggacg agctgtccca tgcttgaagg gatagtgage aagcatctcc 180
 agaaggtgtt caagaaggac aatgggtcaag ctctgcctt actcaggatc ttcttccatg 240
 actgctttgt tcagggttgc gatggtcgat att 273

<210> 48053
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037371H1

<400> 48053

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 atgggaactg ttgaagctgc aaacaaggat gcaaattggaa gtctcctaga gaaaaatcct 120
 tcagttgttt ttgtgttagg tggcccagga agtggaagg gtacccaatg tgcaaatatt 180
 gtccaaaatt ttgggtatac tcatctcagc gctgggtgac ttctgcgagc agaaatcaaa 240
 tctggttctg aaaatggtag aatgatcaga atatga 276

<210> 48054
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037372H1

<400> 48054

gaatggcact tcgttgcttg gtgatgtccc tttctgttct cttcactctt ggtcttgcca 60
 gagaaagcca tgccagagac gaagatTTTT ggcattgctgt ttggccaaac actcccatc 120

caagttcatt gcgagatctt ctaaagcctg gccctgcaag tgttgaaatc gatgatcacc 180
 ctatgcaaat tgaagaaaca cagtaccga aaaccttcct ctataaagaa gaccttcac 240
 caggcaaaac aatgatagta caattagcaa gcctcc 276

<210> 48055
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037348H1

<400> 48055

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 gagecaaaaa agctttcttt tgtttcctct gttttcttt tcggcaaagt agaagatatt 120
 tgtgattttc ttctgtgaat tgaattcgag tcgttgcttc tggcttcggt gcttgctgta 180
 ttgttggcac aagttattgg tccaattgaa atgaaagagt ttgagtgaca aggagactta 240
 gactgtgtgg tctggccatg gag 263

<210> 48056
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037321H1

<400> 48056

gttaacagga acatcttaac ttctctctca atcctcaatc cttatcactc cctcccccct 60
 ctctcccatc accactatct tcaccaaag actgtgaaac tccctcactt ctttagccat 120
 gcccagaac tgcatagcac caaaaccaga atactgcaat agtactcatc actctgtgga 180
 cgaaccacca gagatgaccg agccacatga ctcaactgtt atttcctatc ccatgcaaac 240
 caatgaacaa caacaacaac cgttcccaaa actcatatgt acccc 285

<210> 48057
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037323H1

<400> 48057

caaagtacga tgggattgtt tgtgttcacg gagatgggat cttggtcgag taggttgtaa 60
 atggactgct tcagaggcag gactgggaca ctgcaattaa gatgccccctt ggagtagttc 120
 ctgcaggtac gggaaatggc atggcaaagt ctcttcttga ttcagttggg gatccttgta 180
 cagtacccaa tgctgttctt gccatcatatc gagggccgtaa gcgaaaactt gatgtggcca 240
 ccatcacaca aggggagacc agatttttca ggtgttgatg c 281

<210> 48058

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701037324H1

<400> 48058

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 tctttgacag tcgtggcaat ccaaccgtcg aggtggattt gacatgctcc gatggtactt 120
 ttgctagagc tgctgttcca agtgggtgcat cactgggat ttatgaggcc cttgaattga 180
 gagatggagg atctgactac cttggaaagg gtgtatcaaa ggctgttgac aatgtgaaca 240
 ccattattgc cctgctttg gttggcaagg accaactca 279

<210> 48059

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701037325H1

<400> 48059

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 atgagaatat catcatgttc caccatttcc ccacattgat ccaacaagga gattccaaca 120
 attgaaaact ccttatcatc tttctcttgc aacatcgttt cgcggttcct ttgccgtgat 180
 ttcaattgtt gcataagaaa acatcaactca ctagttcttt cctctccttt ttcattcaat 240
 ttctctgatt gacacaattg ccgcccagtc agtgattga 279

<210> 48060
 <211> 266
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037326H1

 <400> 48060

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 agtcagtagt agcagtagta acgtacgaaa caccatacat gagtttcttg ttaccattac 120
 caaccctctt gttgtgtctc cttgttgtgt taatttattc cctgcaatca aaggccgatg 180
 aatttgattt cgatgagtcc ttgttcaatg caaaaaccgc ttccagtggc agataacttg 240
 ccggaagatg caacttgttc cgtggg 266

<210> 48061
 <211> 255
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037328H1

 <400> 48061

 tgagaattga gagtagtgcg gtttgccggg gagatctgtt gtttaagtta gtgctgtaat 60
 gtcattgctat tgctatctca tagatttaga tctaaaatct cccttcttca ttgctgaacg 120
 cggttaaggc tatgttatga atgcgttcta attaagacac aataatgaca aggcaacaag 180
 caagttccac gagacgtggc ggtctttcag gagtcttgca ttccaaatcc acatcttctc 240
 ctctactctc catat 255

<210> 48062
 <211> 259
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037329H1

 <400> 48062

 cgaccgaggg ttctggatca atttgacctt aaagcttggg tctatggctc acaagatttt 60
 gatgttgctg ctcttacaaa agcgattctt aaggcacttc ggtccttagc agcagaagaa 120
 aaagacttga atctgctcca acttgaattg aagcaaagac tgatgggaca gaactttttg 180

cttgctgtag atgatgtttg gcacgaacac tattggagtt gggaggcact ataaattccc 240
 ttcatttatg gatcttcag 259

<210> 48063
 <211> 278
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037330H1
 <400> 48063

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 aaacccgggt tcggagtcct ttccgtactt cgaagacatg aacgaactcg agacagtctt 120
 caaccgcttc gacgccaacg gcgacggcaa gatctccgcc gacgaactcg acagcgtcct 180
 ccggtegetc ggatccggcg tctctcccca ggaactccgc cgcttcatgg aagacctcga 240
 caccgaccgt gacggcttca tcagcctcac gagttcgc 278

<210> 48064
 <211> 291
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 701037333H1
 <400> 48064

ctgctataaa aaaccagtg aatgggtatgc agaaatcact cccaccgaag aatcatccat 60
 ccattccaaa acagattgta gaacaaagaa ttctgaagca cagtgttgaa caaagaattc 120
 caaagcagag tgttgaacaa agattttccaa agcagagtgt tgaacaaaga attcaaaagc 180
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<210> 48065
 <211> 286
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037334H1

<400> 48065

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 cattctttgt ccctgccatg ttccaaatgc tcacagcatt ctcaattctg atatttggtc 180
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<210> 48066

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701037335H1

<400> 48066

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 agtgcaagcc actctccgag caacaggctc gaggtttatg tgagaaggct aaggagattt 180
 taacggatga aagtaatgtt cagcctgtta aaagccctgt gacaatttgt ggcgatattc 240
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<210> 48067

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 701037336H1

<400> 48067

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 gaggcaacaa aaaacacaga tccatcacac acatgaacaa ttgatctttg tcctttgtat 180
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<210> 48068

<211> 280
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 <213> Glycine max

 <223> Clone ID: 701037337H1

 <400> 48068

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 tgatgtgtaa ttatatcccc attgtctggt aaagtggtaa taccagtggt gtaattcttt 180
 gggaaatgct ttttttttta ttttttttcc ttttgaattc agaggacatg tcaaaagtac 240
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<210> 48069
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037338H1

 <400> 48069

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 catattctga ggacttggtg acagagatca agataagcag gttttcattt cttggtgtca 180
 aactgtgctc ccgttgtaag gtacctacaa tcaatcaaga gactgggata gctggatctg 240
 agccaactga gactcttatg aaaactaggc tggcaaagtc 280

<210> 48070
 <211> 280
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037339H1

 <400> 48070

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 tcgttgggag cgaacaagtt ccccgagaga cagccaattg ggacggcggc gcagagccaa 120
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acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240
 tacatcactg tcttaaccgt tatgggagtc cgggggctaa 280

<210> 48071
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037340H1

<400> 48071

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 cgatcatcac ttgtggctga tattcagaat gtgaagccaa cacacatttt taatgcagct 180
 ggagtaactg gcagacccaa tgtcgattgg tgtgaatctc ataagacgga aaccattcgc 240
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<210> 48072
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037341H1

<400> 48072

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 ttttagtcct aagatctatg ctcaagaatg taaattggtg gctctatgaa tccaaattgg 120
 gtgtgaaaca gtactctttg cccccaggtg acatgggatg gcccttcatt ggcaacatgt 180
 ggtccttcct cagagctttc aagtccaagg accctgattc cttcatctcc tcctttgtct 240
 ccagatatgg aagaactgga atgtacagac cttgatg 277

<210> 48073
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037343H1

<400> 48073

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gacaaatgca tgaagaagca agtagaagca attgcacgag ttttgcattt atttcaatcc 120
tacaaagagg acaatattcc gtgcaaaatc gacgagggtc tctatttggg ttcgattgcc 180
actgcagcta acaagcctgc tttgaaagac tgtaatatta ctcacatttt gactgtggct 240
ggtagaatac cactgcacat ctaagatttt g 271

<210> 48074
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701037345H1

<400> 48074

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ggtcacagtg gtttctcgga gtggaagaga agtgggtcaa ggtggcattg agctcagtga 120
ttctgctact atagcagatc tgcaggaggc aattcataag cgcaccaaga agtaccatc 180
aaggcagcgc ttgacacttc cagtccaacc tggatcaaag gaaagggctg ttgtccttaa 240
ttacaaaaag agtctgaaag actatacaag tggaatc 277

<210> 48075
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701037346H1

<400> 48075

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ggagttggtt ccattttccg aagaaccatc tcaaattcac cgccacataa tgtacctgta 120
tgcgaaatgcg aatgtgaacg cggtttcgat ttagatccag attcatgggg atttgcttta 180
gcattgaaga ccaaaaccac ctttccatct ccgattccaa cgcgaaagcct aaacctgcag 240
taggtcatga atctggcgct ccattggctc c 271

<210> 48076
<211> 254
<212> DNA

<213> Glycine max
 <223> Clone ID: 701037347H1
 <400> 48076

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 atcgccatgg catcaccagc aagaaccttc tttgccttca ttctcgccgt cgctcgctctc 120
 ttcttcgccg ccgccaatgc tcaagacctc tccccggctc cgagtcgccga tgccggagcg 180
 gcgggatccg ttctgagctc cgctgccatg atcgagactt cggttgtgct gtcattgatg 240
 gctatcttga agca 254

<210> 48077
 <211> 282
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037320H1
 <400> 48077

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 tggcagccct tatagatgaa aaaatattgt gcatgcatgg tggctcttcc cctgaactca 120
 caaacttggg tgacatcagg aatctacctc gtcctactgc aattcccgac actggcttgc 180
 tttgtgattt gcttttgtct gatcctggta gggatgtgaa gggttggggg atgaatgaca 240
 gaggagtgtc ctacacctt ggccctgata tgctcgctgaa tt 282

<210> 48078
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037291H1
 <400> 48078

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 gtacttgga acctttgcaa acacaacacc tctcaccctg gcacagtggg tcttttgctt 120
 gttggttga tttttcgga tgccaattgc tgctcgcta aagaagatcc ctgtttgaag 180
 cacctgaatg gataaaaagc agtagttggg taccgttagt tggtgcattg cttcaaggctc 240

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264

<210> 48079
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701037292H1

<400> 48079

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gacgttgaat ccaagtatgc ccacaacggc aaggtcatgg tgggcaccgc cattctcctc 120
ttcattctca taataatcat tattttcttc cacacctacg tccgcccctg ccgccgtcgc 180
cgccgcttct ctcatcgct tccgaccaat tcttcgcgc ccgcctctct cgacgaccgc 240
tgccctgacc cttccatcat caagtcctt 270

<210> 48080
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701037293H1

<400> 48080

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agggccttcc aaatgttggg tctggtgctg ctggtgctgg ctcttttagac tttcttcgca 120
acagtcaaca gttccaagcc ttacgcgcta tggtagaggc taatccacaa atattgcagc 180
ctatgctaca agagcttggc aaacaaaatc ctcatcttat gcgattgatt caagagcatc 240
aagttgactt ccttcgccta attaataa 269

<210> 48081
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701037294H1

<400> 48081

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tgaatatata cgtgagtcag atataagcaa acttgtgtat cttcaagcta tagttaaaga 120
gacactaaga ttgtatccac cagccccctt ttcacacct cgtgaattca cagagaattg 180
catcctaggt ggataccaca tcaaaaaggg aactcgactt atccataact tgtggaagat 240
ccacagggac cctagtgttt ggtcagaccc 270

<210> 48082
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701037295H1

<400> 48082

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acccgacaat cccaccaagt cctgcaaggc cagaggcgct gaccttagag tgcatttcaa 120
gaacactagg gagactgcct ttgccatcag gaagttgccc ctgggttaaag ctacaagata 180
cctggaggat gttttggccc acaaacaggc catccctttc cgacgcttct gtggtggtgt 240
tgggaggaca gcccaggcta agagcagac 269

<210> 48083
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701037296H1

<400> 48083

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tgtcgatctt cgagtacaac ggaagcgccg tcgtggctat ggtcggcaag aactgcttcg 120
ccattgccag cgaccgaaga ctgcggttca gtcctaaacc atagccacgg atttccaacg 180
catttccaag attcagaca agctcttcat cgctctctct ggctctgcca ccgatgctca 240
aacattgtat cagcgtcttg ttttccggca caaactgt 278

<210> 48084
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701037301H1

<400> 48084

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tgggtgaagtc tataaaacttt ctccagcttc tgtctctact agcctttgtt ccttcctgtc 120
actgctaaaa gaaaataggc ggctacctct aacctcaatt gtacgacggg tcatgcacca 180
gcagtcaaga gcttgtccaa tccatcgatg ccaaggctgt ggactagag acccgcatgg 240
ctgcttcgtt gctcagacta catttccatg 270

<210> 48085

<211> 292

<212> DNA

<213> Glycine max

<223> Clone ID: 701037302H1

<400> 48085

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ttgctacact atattttaag gacaattata catagactat atgggggtga tggctgcgaa 180
ccaaactcaa ttgttgctta agatggccat cggagatgga catggtgaag catccccata 240
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<210> 48086

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701037304H1

<400> 48086

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cgctcacgat tttcagcttc ctctggatgc acggcatccc tcaaaacctc tacgccaagc 180
tccgccaccg tccccgaac ccacggggcg tgcaagccaa gcgccatttc gtcaaaggcg 240
cgcagtcctc gcccaagcca gaagatccaa aa 272

<210> 48087
 <211> 168
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037305H1

<400> 48087

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 gtagatgtaa tgatctgaac agttgttaat ggaagggttc gtttgaat 168

<210> 48088
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037306H1

<400> 48088

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 gtgcttggtta agatgagtgc accacccaag agtgacgtac cagtcattac cccaatgaa 180
 ctatccgagg ctgatggctt tgtattcggc ttcccaacaa ggtttggcat gatggctgct 240
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<210> 48089
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037307H1

<400> 48089

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 cgtctacact gtaagcaaag cagccatgaa gaagggcatg aatgactttg tctttgtcat 240

gtactccaat gccttcgcaa ctgcctcct ccttcataa cct 283

<210> 48090
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701037308H1

<400> 48090

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gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180
acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240
tacatcactg tcttaaccgt tatgggagtc gccgggctaa g 281

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<212> DNA
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<223> Clone ID: 701037309H1

<400> 48091

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agccgcggta attccagctc caatagcgta tatttaagtt gttgcagtta aaaagctcgt 180
agttggacct tgggttgggt cgatcggtcc gcctccggtg tgcaccggtc ggctcgtcac 240
ttctgccggc gatgcgtcc tgtccttaac tgccgggtcg t 281

<210> 48092
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701037310H1

<400> 48092

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 ctgccaagag aggcttctct gaaactgctt ctgttgattt gaagcttaat ctttcttctt 240
 gcatcaacga ctctgcctcg gattcaccct ctctgtgtct a 281

<210> 48093
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037311H1

<400> 48093

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 atgccaagag tgagggacat gatg 264

<210> 48094
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037312H1

<400> 48094

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<210> 48095
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037313H1

<400> 48095

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 agcactctgg ggttgctcta tcaggatatt tttggaaagc ttgcctttg gacattgatc 240
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<210> 48096

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701037314H1

<400> 48096

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 ctgaatcgcc aagatggctt tttgtcaatc ctaggataaa tgaagccgtt gatgtgcttt 240
 ctaagatctt tgacgttgct cgcttaga 268

<210> 48097

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701037315H1

<400> 48097

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 ggtatagggt cttatagacg gccttggttg 270

<210> 48098
 <211> 286
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037318H1

 <400> 48098

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 gacaccttct acaatctagt caccgacatc tacgagtggg ctgggg 286

<210> 48099
 <211> 286
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037319H1

 <400> 48099

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<210> 48100
 <211> 266
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037290H1

 <400> 48100

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ttggtcagaa ctcttataga tctggatgca atggatggta aacaaagtgt ttctttattg 180
gcagagtgtt ctagttcccc tgatgtcagc actagacgag ctttagcaaa tgcattggca 240
gcagcaccat ccatgtggac tcttgg 266

<210> 48101
<211> 268
<212> DNA
<213> Glycine max
<223> Clone ID: 701037266H1
<400> 48101

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aattggagac tcaagtcaag gtgcttgctg ccctccgta ttgctcaatt tacaacattg 120
ctttcaggag gaataaaaaa aatacaacaa accaactgta cttcaataat gaatcaacag 180
acaagatttg acccaaattcc atcctatgaa aatatcttgt aactgaagaa ccattatgcc 240
taatcccgta tcttctggac tccaaccc 268

<210> 48102
<211> 269
<212> DNA
<213> Glycine max
<223> Clone ID: 701037267H1
<400> 48102

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ggcagaagaa aaacaagagg gtggctgttt tgggtgggttg caattacccc aacactagca 120
atgaattgca tggttgcaaa acgatgtgtt ggcaatgaag gacacgctgg agaagcgctt 180
tgggtttgat ccctctaaca ttgagcttct cactgatgca cctcactctt ctaataaatt 240
gcccactggt gctaataatta aggaggcac 269

<210> 48103
<211> 271
<212> DNA
<213> Glycine max
<223> Clone ID: 701037268H1

<400> 48103

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 atcggcggtc aacctgccgg ccgcacgtg atggagctct atgccgacgt gactcccagc 120
 accgccgaga acttcgcgc gctctgcacc ggcgagaagg gcgccgggcg gagcggcaag 180
 cccctccact acaaaggctc gtccttcac cgcgtgatcc cgaacttcat gtgccagggc 240
 ggcgacttca ccgccgaaa cggcaccgga g 271

<210> 48104

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701037269H1

<400> 48104

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 gtgttgccgg agccaacctt gcaaaaaacta tacaacatca agccaacgtc acccttattg 120
 atccgaaaga atattttgag ttccatgggc aagtttgagg ggattggttg agccaacttt 180
 tgctgaaagg atagtgatca accatagaga gtacttcaaa aagggtgacc ttgttgatc 240
 cagtgtgtc aacataactg aaaccgcagt ggt 273

<210> 48105

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701037270H1

<400> 48105

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 aaagattgca gcttgtttct gctattgatt caaatcgaa actttgattt ggagcactca 120
 tccagcacta caaggatctt aaagtcactt tgcagaactt caaatatgat tttagaatgt 180
 catacaacgt gaaaacaaat tcctctatat gttttactaa agtaggttct ttgtgttgaa 240
 tgtacaagta taaccatttc tgggttttgt gtag 274

<210> 48106

<211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037271H1

<400> 48106

gctcgcagta tatcgtacat aacggtcgtc gcagcttctc tctctcagac gccatccaag 60
 catcgccgtc gtcgatgtaa gggacgatga gaggagctac gacggacaca tatcggggtc 120
 tcttcattac gcaagcgaaa tttctccgat aacatctcaa atctcattca ggcagttaaa 180
 ggcaaagaca ctctcgtctt ccaactgcgt ctaagtcagg ttcgtggcca caattgtgct 240
 aggaggcttg tcaattatct tgaggaga 268

<210> 48107
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037272H1

<400> 48107

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 actggcagtg caacctgaaa ttgagcatcc caggaaggcc tatggatggg cagctaggga 120
 tacatctggt gttctctccc tttttggttc tctagaagga aaacagggga gaaagacgtg 180
 acatttaaag tgttgtattg tggagtatgc cactcggacc ttcacaagtt gaaaaatgaa 240
 tggagtgatt ccatctatcc ccttgtcc 268

<210> 48108
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037273H1

<400> 48108

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 cttggagggtt caatgattcg agtgaggaca acaacaaca cactactttg ttggtgttgg 120
 acaagttgtg caaagagtgt ggcaaagggt ttcactcttg gaaagctctg tttggtcaca 180

tgaagtgcc a ctctgagaaa ttgtcccaaa acaacaacag cagcagcagc ttattattgg 240
aggatcaaga ttcgtggaat gataat 266

<210> 48109
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701037274H1

<400> 48109

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ctgtaaccca agctttctca gggcatggag tggatgagaa atcattggta acattactgg 120
gaaaatggga tcctctggag agagaatctt tcaggaagaa gacaccacat ttgttcagtg 180
aagatcatga acgccatttt cagaggtggg atgatcaata tgtccgtctt ctcaagcatg 240
aattcgtgcg ttttaagaat gctgtggtgc t 271

<210> 48110
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701037275H1

<400> 48110

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aattaatcaa atcccacact ttctctctct ttccttcaaa tctcaattct attttgcaaa 120
atctgaatca aacacagtaa agacgcacaa gaaaacatct cgctcaacac caccaacact 180
tcggatctac gtttccactc tccgaacatc aaaaaaggaa agaaaaaccg atttacagcg 240
acaacaacga acgaacgatt tctcgaagc 269

<210> 48111
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701037276H1

<400> 48111

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 tacattttga gttgcatcac caagcattct cctcaataca aagtcctgat gttgggccgc 120
 attttgggag gtattgccat tcaattctgt tttcagcatt tgaatcatgg cttgttgccg 180
 agcacttcaa gaggggcttt gatcaacaat ggctgtcatt aacattctct aaggctatat 240
 ttcttggaat tggctctgtt gctattttg 269

<210> 48112
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037277H1

<400> 48112

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 accatgacca tggccatggc cagcatcctg ctctgttca cggctcttcgc ggtttcatcg 120
 gccctagaca tgtcgataat ctcgtaacgac aacgcccacg ccgccacgac gcgcaggaga 180
 gcgagctgat gtccatgtac gagcagtggc tagtaaagca cggcaagggtg tacaacgcgc 240
 tcggagagaa ggagaagagg ttccagatc 269

<210> 48113
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037278H1

<400> 48113

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 ctgcgcactc atattgatac ctctgagatc gtcgccgtca agattgaaaa cggtaaaacg 120
 aagcatccgc aattgcttta tgaggccaag ctctacaata ttcttcaagg aggaagtgga 180
 atcccagaca taaaatggtg tgggtgtagac ggggaggata atgtgcttgt tatggacttg 240
 ctgggaccta gtcttgagga tctttttgtc ta 272

<210> 48114
 <211> 273
 <212> DNA

<213> Glycine max
 <223> Clone ID: 701037279H1
 <400> 48114

ctcaaattag catggctgtc atggttgc atgttgaattt gatcatcatc ttttcagtag 60
 tctctacaac aggcaagtca ctgagcttaa actactatgc aaaaacatgc cctaattgttg 120
 agttcattgt tgccaaggca gtaaaggatg ccactgctag ggacaaaact gttccagcag 180
 caattctgcg aatgcacttc catgattgtt tcgttcgggg gtgtgatgcc tctgtgctgc 240
 taaattcaca aggaaacaac aaagcagaaa aag 273

<210> 48115
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037280H1
 <400> 48115

attaaaaacc acattcacat tattcctccg aagatgacag tgacgagtgg agaagaagaa 60
 ggcgccgttg gaggagtcca gatccaacac aggagcagaa tgggtgctccc agattttctc 120
 cagagcgtga atctcaagta cgtgaattag gttacactac ttgatctcca acctcgtaac 180
 cttattcctt gtccctctta tctcgtcac gtcattcag gtttttcaga ccaccgacat 240
 cgaccacctc cgccacctct ggctccacct ccagt 275

<210> 48116
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037281H1
 <400> 48116

tgaaattgcc tttttcaaga agcatctgag tgcttattat ttgtaatata tatagtcact 60
 caagcttcta ggatttgtgc cagctacatg aaaatgggaa gcaacttcag gtttttgagt 120
 ctttgctctt tggcattgat tgcacaaacc catgctcaac ttcagcttgg ttttcatgcc 180
 aagagttgcc caaacgctga gcaaactcgtt ttgaaatttg tccatgacca tatccacaat 240

gctccatcac tagcagctgc attgataaga

270

<210> 48117
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037282H1

<400> 48117

caaagaagca cgcgcagct gtctctccca ctcttctccg ccgccggtaa atgcaattct 60
 ttctccactc tttcatttcc ttacaaaaac taagatacgc accttcgatt tcgcatgctc 120
 ttttttttgt tctttcttct ttttaattcaa ttggttgac ataaattcca ttttcattct 180
 tctccgattg cttttcatta cattaccata ttctctgtgt tccgctccgc gtgcgtgtgc 240
 gtctaggggt tccttaacaa ttaac 265

<210> 48118
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037283H1

<400> 48118

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 aagaaagtta gcgatgtagc attcaagggtg ggaaggaaca tcgattggga tggaatggcg 120
 aacttctggt ctccgtgagg ctccgagga gttctccaat ctccgtcgcg ctttcgacga 180
 ggttaactcc caactccaaa ccaagtttag ccaggaacct gagcccattg attgggatta 240
 ctatagaaag ggaattggca ctcgtt 266

<210> 48119
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037285H1

<400> 48119

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cattccgcag aaaccttcaa cgatggccgc tgaaacgatt ccctaccaga acggcgtcgt 120
 tgccagctcc aacgattcac cgccacgggc aagaaatcgc gggagaacga ccgccgccgc 180
 cgccgccgga agcagaagaa gaacaacaag gcattctgagg ccccggttcc taactcttcc 240
 gaagagagtg acgatgcgaa 260

<210> 48120
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037286H1

<400> 48120

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 atttaggggtt ttctcggaga caatggcgga tgaatcggag cacacggcgg cgccggctgc 120
 cggcgaatcg ctgctcgaca agatcgccga gaagattcac ggccacgacg actcttcttc 180
 ttctccgat tccgattcgg ataaaaagga atcttcgctg attaaggaga cggttttccg 240
 cctctttgga agggagaagc cagttcactc 270

<210> 48121
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037287H1

<400> 48121

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 gatctattca gtttttctct cctctctttt ccgatccacc gttggagatc gaagatgggtg 120
 tccgacgcca gcacgaagaa ggccgcacag aagacggccg ccgccgccgc caagagaggt 180
 ggcaaagctg ccgccgctgc cgttatggcc gccacctctt ccaaagccgc cgacaagggtc 240
 gccaacggaa tcgccgatat tcaga 265

<210> 48122
 <211> 117
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037288H1

<400> 48122

ctggtggtcc aacatacaca ttatatgcc aagagatggc gtggcaaaga aagtactgaa 60

atggtccatg ttgagtttga cacctgattc cagtatactg gaatgatgtt acttgag 117

<210> 48123

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701037289H1

<400> 48123

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ggaaacaggt gcaactctct gagtcggaga tccgtcaact ctgcgtcaac gccagacaaa 120

tcttctctc tcagccattc ttctcgacct ccgtgctccc atccgcatct gcggtgatat 180

acatggtcag taccaggact tgctgaggct ttttgaatat ggtggctacc ctctcgggc 240

aaactacttg tttctggggg attatgt 267

<210> 48124

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701037265H1

<400> 48124

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cttctctctc cgcattggggc agcgtaatct cgtcgtgggt ttttccccgg agctcgccaa 120

ggaggttctc cacacgcagg gcgtggagtt cggtccccgc actcgcaacg tcgtcttcga 180

catcttcacc ggcaagggcc aggacatggt cttcaccgtc tacggcgagc actggcgcaa 240

aatgcgcgca tcatgaccgt cccttcttca c 271

<210> 48125

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701037239H1

<400> 48125

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taacaatggt tgtagaagat acccaaaaagt cagtcatcac ggaggaccaa taccctagca 120
gggtcgtcag cgacaacaac aacgacgacg acgacgatga tctcgaagac ggtgagatcc 180
ccgtcgacgg cgaagatagc ggcgccaccg ccacaacgaa gcctccggcc gccctcgccc 240
gaacacccca ccctctggag aattcctgga ccttctgg 278

<210> 48126

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701037241H1

<400> 48126

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accctccca gatagtcgac gtcttcgtcc gcgttaccgg cggcgaagtc ggcgcggcga 120
gttccttggc cccgaagatc ggtccctcgg tctctcccc aagaagatcg gagaagacat 180
cgccaaagaa accgccaagg actggaaggg cctccgcgtc accgtcaagc tcaccgttca 240
gaatcgtcag gcgaaggtca cggtggtccc ctccg 275

<210> 48127

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701037242H1

<400> 48127

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tgtgaccaca acccttcttc ctctttcttt tgaaacctct ttttttctat tccccaacca 120
aacaagcaaa cgctactcac tcatcatcac tgagatcatg gctcctaata tcaccactgt 180
caaaaccacc atcaccgacg ctcaagccaa ggtcgccacc gatcatggtc gtgcctacgt 240
caccttcttc gccggaaacg gtgactatgt gaaaggt 277

<210> 48128
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037244H1

<400> 48128

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 tggtttattat tctacgtatg gacatgttga gaagctagct agagagatag aaaaaggggc 120
 tgcttctgtg gagggagtag aagcaaactg tggcaggtac ctgacacatt gcctgaagaa 180
 gtccttgcta agttgggagc acctccaaag agtgatgttc caattattac tcccaatgag 240
 cttcctgagg ctgatggctt tttgtttggt tttcc 275

<210> 48129
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037245H1

<400> 48129

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 ttgccaaact gttcaaccaa ttgtagccgt tgaaagaaca gtgttctatc gagaaagagc 180
 tgccggaatg tatgtcctt tgccttatgc cttagcacag gtcttttgtg aagtaccata 240
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<210> 48130
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037246H1

<400> 48130

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 cgacgccgtt tcgcaagcat cagtagtgta gtcgcagaga atcaaataca tggagaaggg 120

aaagggagtg atgggatcgc gaggacgaga tggggcggtg acttctccga caattgcact 180
 tctcgcgata ttcccgatcc tcccggttcc tctcgcactt ctctcgatca ggacgattca 240
 acgctcagtc gccagaagaa ggacgctgaa tccaact 277

<210> 48131
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037247H1

<400> 48131

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 atgggttggtg actgaaaaac ttggtgactc tgtcaacaat aataataaga ataatcagg 120
 agatgctgcc aagaagaata atgccatcaa ggccaccccc aaaaagactc gatccaaatt 180
 tgttgaaaga cttattttac tggagctggg atttgctgtc ttctctctcg tatgtggatg 240
 ctatgattat gttcatggga aacacaacta cttcatcta 279

<210> 48132
 <211> 286
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037248H1

<400> 48132

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 ttggtagctc caacatgctt gtacctggca tcaaaagcag aagaaagcac agtgcaggct 120
 cggcttcttg tattttacat taaaaaatta tacagtgatg acaagtatag atatgaaatc 180
 aaggacatac ttgaaatgga aatgaagatt ttagaagctc ttaattatta cctgggttgta 240
 taccatccat accgttcact atctccgttg cttcaggatg caggtc 286

<210> 48133
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037249H1

<400> 48133

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 cagtaacgtc ctcgacaagc ccctcaccaa gggcaagcaa gaggttagtt tgagcgcatt 120
 cgcgttcttg ttctcggagc ttgttcagta caaccaaacg caggctcgaca atattggcga 180
 gcttgaacga agactggagg atgctggata tgcgggttggg gctcgagtgc ttgagctgct 240
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<210> 48134

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701037250H1

<400> 48134

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 ctcaacttat cgcttcttcc tgttttagat ttgggggttt ccgtttcaat ggacgacggc 120
 gagctggatt tctcgaacca tgaagtgttt tcgagtccga acatggggga gcttccgagc 180
 agcgggttcaa tggacagttt cttcgacgag cttctcaagg acacgcacgc gtgcaccac 240
 acccacacgt gcaaccctcc cgccccgat ttct 274

<210> 48135

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701037252H1

<400> 48135

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 taattgatta tggtaaaagg aaagggaaag aggatgtgct ttctctctct ttgaattggc 120
 attggaattc aactcttctc tttctctgtc gaagaacaag tagtttcaga cagatgctag 180
 agaatcttca ggctcctccg tcaacaacgg aatcggcccc agtggtgaag cgctatgctc 240
 cacccaacca gaggaaccgt tctgctaaca ggcgc 275

<210> 48136

<211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037253H1

<400> 48136

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 tgcagggatc agtggtgccc cccaggataa caacataatg ctgtggaatg ctgtcatatt 120
 tggtcctgat gatactccat gggatggagg cacgttcaag ttgacactcc aatttactga 180
 ggactatcca aataaaccac cgactgtacg atttgtgtct cgcattgttc atccaaatat 240
 ttatgctgat ggaagtattt gtttggatat attaca 276

<210> 48137
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037254H1

<400> 48137

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 ttgaattgga agacatcaca gaagaacgaa tcaataacac gaatacctca agtgagaggg 120
 agaaatggaa tcgcctccgc agtgggttca agaggggcag aaacacttaa acatatagct 180
 cctggatcat caatttctgt tgcatatcac ccatcttttg gaccttatga tgacctcttc 240
 tttctagagc ttgatgagaa acttctccca gatgt 275

<210> 48138
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037255H1

<400> 48138

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 ccagccctta tgccaagagg gtggaattcg cccttaattt taagggcata ccctatgagt 120
 atgttgaaga agacttgaga aataagagtg atttgcttct aaagtacaac cctgttcaca 180

agaaggttcc tgtacttggt cataatggaa aggccattgc tgaatccatg gtgatccttg 240
 agtatattga tgaaacatgg aaagatgggc ctaa 274

<210> 48139
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037256H1

<400> 48139

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 gaacattccc gagtgggaagc aagcatgttt aggggtgtttg aatgcggtgt tgtttggtgc 120
 aattcagcct gtgtatgcat ttgcaatggg gtcaatgata tctgtttact tctctccaga 180
 ccataatgcc cccaagagga aaactatgat ctattcactt tgtttcctag ggttggctgc 240
 gttctcctta gtggttatat cc 262

<210> 48140
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037258H1

<400> 48140

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 aaggctgatt tcagcgctcc ccattccatg ggaaccacta tcacggcgt tacttacaac 120
 ggcggtgtcg ttctcggagc cgactctcga accagcaccg gagtgtatgt tgccaaccga 180
 gcacggaca aaatcactca gctcactgat aatgtatacg tgtgtcgtc tggatcggct 240
 gctgattctc agattgtctc tgattatgtg cg 272

<210> 48141
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037259H1

<400> 48141

caaaacacaa cacaaattca gattgtttcc tacgctctt aaattttatc ttcgaggttg 60
 catttgaact ttgcgcaacc tcattattat taaattaaat tcattgatcc ctgcgctaga 120
 gaggggaaat ccagaaatac tctgattgac ttatatacgg atcttattat tattttctcc 180
 atttaattta aacgcaattt agttgtctgt agcgccgatg agttgctttt cgtgctttgt 240
 ttctcgccgg aaagatgtga gaagggttg 269

<210> 48142
 <211> 289
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037260H1

<400> 48142
 agcattacac ctgcgctcg agccgctcga gccgtgcgtt tgctgttcat atgactcctg 60
 ccctgtaagt atcatatcat ggcaactta acttgacaac atattcctac gatcagtttc 120
 caaatggaag cgttttacac aactctctgc tcccctggtc cagctctgtt ctcaattttc 180
 agggctctga attgcctaga agaaatcttt gtaagaactc ttcacacact atttttgcat 240
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<210> 48143
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037261H1

<400> 48143
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 gaaaacaaac aaaacaatgg cgttcgcttc tttcctcggc agagtcctct tcgcttctgt 120
 cttcatactc tctgcttacc aacaatttaa tgaatatgga gttgatgggg gacctgctac 180
 aaaagcactc agacctaatg ttgatgcctt tacacatcgg gtgcattctc aagtgggctt 240
 tcaaattcca gagattaatc tgaaattttt aattgc 276

<210> 48144
 <211> 276
 <212> DNA

<213> Glycine max

<223> Clone ID: 701037262H1

<400> 48144

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 ttggagggtg aaacacaagt tgccacccca agtgtgtgtt aatcttaaat ttcacaagca 180
 agttgctttt ttggagtatc atattgtatc accaaatatt tttgtgtttt aggactagat 240
 attttgcttc tgggtggcaat ttttctcttc tccttc 276

<210> 48145

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701037263H1

<400> 48145

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 cactgggtcac ctgatttaca agcttggagg cattgacaag cgtgttattg agagggttga 120
 gaaggaagct gctgagatga acaagagtct ttcaagtatg cctgggtgct ggacaaactt 180
 aaggctgagc gtgaaagagg aatcaccatt gatattgctt tgtggaagtt tgaaacaaca 240
 aagtattatt gcacagttat tgatgcgcct ggacatagg 279

<210> 48146

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701037264H1

<400> 48146

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 tggcagcctt gaagctcatt ggaggtactc tggctgacca cacattcttg tttcttggtg 120
 ctggagaggc aggaactgga atagcagact aatagctctt gagatgtcaa agcagacaaa 180
 gacacctata gaggagactc gcaagaagat atggcttgta gactcaaagg gtttgattgt 240

tggttcaaga aaggcttcac ttcaacactt caagcagcct tggg

284

<210> 48147
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701037238H1

<400> 48147

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ttccgctagc aaaacgactg cggtttggtc gtcgtcttcc ccgaggcatg ctcttgggat 120
attattattc atcatcgtaa tcacacctac agagacgttg actttgtgct ttttctggga 180
ggggaacaaa tggaccaagc tcttctggac gacataatca atcgcttct cgaagttcgc 240
agccggccgg ggaagcaggt gcagctgtcg gagtgcga 278

<210> 48148
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701037213H1

<400> 48148

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gatgccttga gcatgctgag aaacacggtg cgttggagaa aggaattcgg aatcgagggt 120
cttgtcgagg aagatcttgg aagtgattgg gacaaggtgg tgttcagtca tggacacgac 180
aaagaagggc acccggtgta ctacaacgtg ttcggtgagt ttgaggacaa ggagttgtac 240
aacaagacat tttgggacga ggagaagagg aacaagttga ta 282

<210> 48149
<211> 286
<212> DNA
<213> Glycine max

<223> Clone ID: 701037215H1

<400> 48149

tccagaacag caaggagaa tcaattcctc atcgctgcaa ttcttcttct actctctagt 60

ttctcttctt tctttcttcc aacctcttct cttctatacc cttcagaaaa gaaattaaaa 120
 aacgtagctt cagattattc tagctcttca ttttccatgt tcaatattat gctgttaaatt 180
 tcctcaaaact cactgtttca gccacatttt ggtctaaaga tccgtgcttt gacccttggc 240
 aggttcagct tttgaagggg ttggagtttt tcttctcat aagcca 286

<210> 48150
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037216H1

<400> 48150

caagaacaag aagcaaaagc accaacaccc caatgaccaa agcaciaaagc agaactctga 60
 tttctccttc aagccaagct cagaggtaaa gggatatcaa tttggaggcc agttcatagt 120
 gaagtccttc acaatcagaa gagcaagacc cttggagctt ctcaaggttc tttctttccc 180
 accaaccacc aacaccaaca aaccaaagga caagctccct ttcctttcca ccacagcatt 240
 cttgccca aacttcacca tcttggcaca ccatgcttgg cacaccctca 290

<210> 48151
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037217H1

<400> 48151

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 ggcttctctg aggggcagag cagcaacaga caccgtctcg accagattct agtagccaac 120
 cgcggtgaaa tcgcttgca gacatgcag accgcgcgga ggctcggcat tcaaaccgtc 180
 gccgtttaca gcgacgccga caaggactcg ctccacgttg cgtccgccga caaggccatc 240
 cgaatcggac cgccaccggg ccggctcagt 270

<210> 48152
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037218H1

<400> 48152

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gtattggctt ctcaaatacca tgtttcctct gggaaactag tccctggact atcatggaat 120
tactatttgt tgacatgtcc caagcttgag aggattataa ggaagcatct tgaggatgtc 180
ttcgagaagg acagtggagt agctcctggc atacttcgac tcttcttcca tgactgcttt 240
cctaattggat gcgatgcgtc tatattggtg aatggaga 278

<210> 48153

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701037220H1

<400> 48153

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cgatcatgtc tcacttcaag ggcaagtacc atgatgagct tattgtcaat gctgcttaca 120
ttggcactcc tggaaagggg attcttgctg ctgatgagtc aacagggaca attggcaagc 180
gtttggccag catcagtgtg gagaatgttg aatccaacag gcgtgctctt agggagctgc 240
ttttcaccgc tcccgggtgct cttaaataac tcagtgggtg 280

<210> 48154

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701037221H1

<400> 48154

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ctcatggcta cctgcttgag caatttatga aagataaagt gaatgaccga acagacgaat 120
atggtggatc cttgagaacc gctgccgttt gctttggaag ttgttgaagc tgttgtaaat 180
gagatagggg cggacagagt tggaaattagg ctatcgccat tcgcagaata ttcagagtct 240
ggagactcta atccaaaaga attggggctt tacatgatg 279

cctcttccac tcttcccacc tccaccaacc ctccgcattt gtggttcctt ccaaccacaa 180
 taagaagaaa tatgagaatg ccaactgcttc tggaagattc cttgccgcgg cttacgccga 240
 tttggctgcg ccgcagctca agtggcaaaa gatggc 276

<210> 48158
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037226H1

<400> 48158

aagagactca ggcgctgctg cccttcagtc cttcagcaat ggtttacgtg aagtcacaga 60
 aatcaaaagc ctacttcaag aggtatcaag tcaagttcaa gagaagaaga gagggaaaaa 120
 ccgattaccg tgccaggatt cggttgataa tcaggacaag aacaaatata acacccccgaa 180
 atatcgcttt gttgttcggt tcagcaacaa agacattggt gcacaaataa tatctgctag 240
 cattgctggc gatattgttc ttgctgcagc atatgcaca 279

<210> 48159
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037227H1

<400> 48159

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 catacagctg aggtgcaagc tgtcactgtc catgcaacca ataattactt tgtgactgct 120
 tcacttgacg gctcttggtg cttttatgaa ctttcttcag ggacatgtct gactcaggtt 180
 tatgacactt caggttcttc tgaagggtac acttctgcag cttttcatcc tgatggtctt 240
 attcttgaa ccggcaccac agaattctct gtcaagat 278

<210> 48160
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037228H1

<400> 48160

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 gatgtccgc caccgcgcgg tcgggcatac gcgcccactc tctcctccg ccgcttccgc 120
 tgtctcccaa cgategccgc cagacaccaa caacaacaac aaaaccctaa caaacaagct 180
 gctgccccga gccgcaacct cctgaaggcg aaacaaacac tgaaagagta ttctgtctt 240
 gcccctgtcc tctcctcga agacagccct cctctgacgg a 281

<210> 48161

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701037229H1

<400> 48161

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 attcaatcat tggctgcgaa tctcggcgta accactggca aacacctttc agaattatgt 120
 aaagctgaat acccattatt ggtcaagtac tgcttatggt tattagctga gctggctgtc 180
 atagctgcag acatacctga agtgattggc acggcatttg ctttgaacat actcttcac 240
 atccctgtat gggcaggagt tctaataact ggctgcagc 279

<210> 48162

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701037230H1

<400> 48162

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 aaaagccaag acactgttca tacagctgct caattatcaa gccaaccttg ctcggttcca 120
 ctgcagaatt tcagtttatt cttatctagt agattggatt gaagtagact cttataagt 180
 gcgcagaagt tcaagtgtag agaatgagtc agcctaagat taaacgccga gttggtaaata 240
 acgaggtggg gaggaccatt ggtgaaggta catttgcaaa 280

<210> 48163

<211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037231H1

<400> 48163

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 cgcaacgcaa tggctggcac cggcattccat ccataccacc agcaatgggc tccggcggca 120
 gcgctcctcc tctcctcct ccggcagccg gggcgggtcct cctcctcacc caggggagga 180
 ggttcgacct atattcataa ctggtcttcc ggaagacgtg aaagagagag agctgcagaa 240
 tcctgctgag atggttgccc ggtttcgaag catctcaatt gaat 284

<210> 48164
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037232H1

<400> 48164

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 ttggcaattg aaaccttttt ttccattgag tgatagagag catcgagaac atgcagatga 120
 acaacgatga caggtttgca caaagggtgt ccagttctag ccaggtttga agtccagcag 180
 agtcagagaa aattttgatt ggtccctggc aagccaagat aagatctgtt tcgcgaaata 240
 gccggcaatt tcccgatccc gttgggggac tcggcc 276

<210> 48165
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037233H1

<400> 48165

cacctttgtt cactcttctt ctcttgccgc tagggtttta gcgcagttct tctagattta 60
 aggaagatgg gtaaggaaaa gggtcacatc agtattgtgg tcattggcca tgtcgactct 120
 gggaaatcca ctaccactgg tcaactgattt acaagcttgg aggcattgac aagcgtgtta 180

ttgagaggtt tgagaaggaa gctgctgaga tgaacaagag gtctttcaag tatgcctggg 240
 tgctggacaa acttaaggct gagcgtgaaa ga 272

<210> 48166
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037234H1

<400> 48166

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 gatgagaata tcatcatgtt ccaccatttc cccacattga tacaacaagg agattccaac 120
 aattgaaaac tccttatcat ctttctcttg caacatcggt tcgcgggtcc tttgccgtga 180
 tttcaattgt tgcataagaa aacatcactc actacttctt tcctctcctt tttcattcaa 240
 tttctctgat tgacacaatt gctcgccaga tcagtga 277

<210> 48167
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037235H1

<400> 48167

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 tactttcaag ttcctttgtc aataagcaag agcaatacac tgtggaagga gtgcagaatc 120
 ttggagacaa agcagtgatg tgtctgggct aaatttcaga actgcagtat tttactgcc 180
 taaagtccgt gaaacaacag ctttcatggt tccattgggt gctggtgatg gaacaaaaac 240
 tcaggcactt gctgtttgcc actcagatac ttctgg 276

<210> 48168
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037236H1

<400> 48168

0953113.032200

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tctgatgcag ttctgttta tgaagttgct ggggaagcac caggccttgg ttctttatcg 120
caatatactt ggaagtttgc tacaccccat caaagtaatt gtgtagaga agataaacac 180
gactttttct tccctcaca tccattcacg aaaatgagtg agtagatttt tcagtgtatt 240
gttgataatt ggtgaaagga ctcgtgctac tctgt 275

<210> 48169
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701037237H1

<400> 48169

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ctaaagaagg gattctttgt tgaaccaact gtcataactg atgtaactac ctccatgcaa 120
atctggagag aagaagtatt tggacagttc tctgtgtaaa aacatttagc actgaggaag 180
aagctattga tctagcaaat gacactgtat atggcttggg ttctgctgta atatcaaag 240
atctagaaag atgtgagcgc attactaagg cttttaa 277

<210> 48170
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701037211H1

<400> 48170

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cagcagcagc agggcagccg aagaagagaa cgttcaagaa gttcagtttc aggggcgtgg 120
atctcgatgc gcttctggac atgtccacga tgaactcgtg aagatgttca gtgctcgcgc 180
acgtagaagg ttccagagag gcctcaccag aaagcccatg gcctcgatca agaagcttcg 240
caaagcgaag agagaagctc caccaggtga gaagccag 278

<210> 48171
<211> 271
<212> DNA

<213> Glycine max

<223> Clone ID: 701037180H1

<400> 48171

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tcgtccgcaa atccggcagc gaatggagcg ccaagcaaca ttccggcgac atcgaggcct 120
ccgccgattc caccttcgat ctccaacgga agctcgtgca agccgctctc gccgttgatt 180
cctccggtgg agttcagtc tctttctctc ccgtgtctcc tacctccgct gtgttccagg 240
cgatagtggg tgggtgcagta ttcgttggag g 271

<210> 48172

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701037181H1

<400> 48172

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tgagcactgt ggagaagatc ctaagcaatt tgagctcaaa agtttctgtc atcaacatta 120
ctcaactatc agagtataga aaggatggtc atccttccat ttttcgcaaa ttttgggagc 180
cccttcgccc ggaacaattg tcaaatcctc catcttactc tgattgcata cattggtgct 240
tgcctggggg acctgatgtg tggaatgagt t 271

<210> 48173

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701037182H1

<400> 48173

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tcagcctcct gtgacttttg tggtggttca aaagcgtcac cacacaaggc tctttgctag 120
caaccatcat gataagagtt ctgttgacaa gagtggcaac atattgcctg gcactgttgt 180
tgactccaaa atctgccatc ccaccgaatt tgacttttat ctctgcagcc atgctggaat 240

271

<400> 48174

<400> 48175

<400> 48176

actcgagccg aatcggctcg agaatgaacc caacaacaag tacgatactt ttctgtgttt 60

agtacggccc agataccgcg tacaccttcg ctggtaatct ctataatgct ttgcgcccga 120
acagaatcaa tacctttttc acagaagata atcatcatga tgagctacta ctcatgaatg 180
gcgaccaaatt ttcacctttt gctetaagag caattaaaga atcaaacttg ttaattgttg 240
ttctctctcc aaactacgca tcateccca 269

<210> 48177
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701037186H1

<400> 48177

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tcaaaccttt tcccccaaaa ctaacagacc cctcttcttc ttctctctct gtaatctcaa 120
tcgtgcatgg gtcgtcttca ctgattcgat aataaaaatc tcagattcat tcttcgtttt 180
ctgttacgat ggagttgatt tcaggtctac cagaggacgt agcccagagac tgcttaatta 240
ggattcccta cgagcaattc ccggcg 266

<210> 48178
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701037187H1

<400> 48178

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ttcacatcag tattgtggtc attggccatg tcgactctgg gaaatccact accactggtc 120
acctgattta caagcttgga ggcattgaca agcgtgttat tgagaggttt gagaaggaag 180
ctgctgagat gaacaagagg tctttcaagt atgcctgggt gctggacaaa ctttaaggctg 240
agcgtgaaag aggaatcacc attg 264

<210> 48179
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701037188H1

<400> 48179

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 aggatcccaa ggacttgcag caggagatta ccgatggtga tgttgaggtc cctctcgatt 120
 aaggaggaag gctttgttac tctctttctc tctttttctt ttgtctttct tcagatcggt 180
 tcgtgttctt tttaataataa atttggggga actatcgaac gttttgttta aggttatttt 240
 accgcttttg ataatttaga tga 263

<210> 48180

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701037189H1

<400> 48180

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 tctaggttga ttcattccca tgaaggccag gaagacatgc aggggtgggtc caaccacgct 180
 cacctcggag acccttgtct tgttctcacc tctgatccca aacctcgtct tcgttgacc 240
 gctgaccttc acgaacgctt tgttga 266

<210> 48181

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701037191H1

<400> 48181

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 ggtgttcggt ctccctggcc gcggttgtgg cagttatgga gctgagcaag aacaacatcg 120
 atcgaatcaa cacctcttcc gcattcaatt ccttcagaa caactacctc ctctctatt 180
 ccctcatgat ggctggggat tggctacaag gtccatatgt ctactacctt tacagtacat 240
 atggatacgg gaaaggggac ata 263

0953113-032200

<210> 48182
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701037192H1

<400> 48182

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aacttatggg gttgtctaca aggctaggga taagaagact ggagaactag tagcattgaa 120
gaagggtgaag atgaacatag agaggggatgg atttccaatg tcatccttga gagaaataaa 180
cattctcttg tcttttaatc atccctccat tgtgaatgtt aaagaagtag ttgttgatga 240
ttttgatggg acttttatgg t 261

<210> 48183
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701037193H1

<400> 48183

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tgtggtcagt ggagacttgg ctgctaactg gatctactgg gttggcccat tgattggagg 120
aggtttggct ggcttgattt atggagacgt cttcattggg tcctatgcc cgtgccagc 180
ctctgaaacc tacccttgag cttcaacttc acttgtgtgt tccttcaagt ttcattctctg 240
ttcacggtt catgtcatga gc 262

<210> 48184
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701037194H1

<400> 48184

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cgggacggag aaggacaggg tgaactgtcc gttctacttc aagatcggcg cgtgcaggca 120

cggcgaccgg tgctcccggc ttcacaccaa gccgacaatt agcccaacat tggttctgtc 180
gaacatgtac cagaggccccg acatgaacat gaacattatc accaaccgccg atcagccaca 240
acccaatcc cttgacccccg aca 263

<210> 48185
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701037196H1

<400> 48185

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ttcgaatata atctttctgc tacatgatgt tgaacaaatg atacagaatt tattctgtgc 120
acagaaattc tggtagatat gacaggactt atgcctggcg acttgccaca tcatggaaca 180
cctgatggca actctggtaa aagttctcaa gacaagcaag aggaatcatt aggtcgctgg 240
tatatgtcta gacaagaaat agaggaa 267

<210> 48186
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701037201H1

<400> 48186

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gtaaaactca ctttttatgg ctttcattgt cttcttcaac ttgttctgg aagccaagta 120
ttttccacc acttttgtga aaacagtttc atcactttcc ttctttggat gacagagtga 180
agttcctgca tgctttcctt tgatatcaat tggcactcct tagctgtact gcagatatcc 240
aagagcctca gagacacttc tagaatgtca tcaacgcact tgt 283

<210> 48187
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701037203H1

<400> 48187

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agtggttcaa cgatcagaag gggtttggat tcataacccc tgacgatggc agcgaggaca 120

tcttcgttca ccaatctcag atcaaactcg acggtttccg aagcctagct gaaggagagt 180

ccgttgagtt cgctattgaa tctgaatctg acggacgcgc caaggctgtt gatgtcactg 240

gccccgacgg cgccaggctc cagggaacca gacgcggcgg tg 282

<210> 48188

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701037204H1

<400> 48188

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ttttgggagc tactggaagc ccatttgtgt gcagggttca tattgccctc aagttgaagg 120

gagttgaata caaatatgtc gaagaaaatt tgaggaacaa gagtgaactg cttctcaaatt 180

ccaacccagt tcacaagaag gttccagtgt ttattcacia tgagaagccc atagcagagt 240

ctcttgtgat tgttgaatac attgatgaga catggaagaa 280

<210> 48189

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701037205H1

<400> 48189

cggatccaga gagtgtcctt aaacgacgcc gtttcgcaag catcagtagt gtagtcgcag 60

agaatcaaatt caatggagaa gggaaaggga gtgatgggat cgggaggacg aagatggggc 120

gttgacttct ccgacaattg cacttctcgc gatattcccg atcctcccg tttctctcgc 180

acttctctcg atcaggacga ttcaacgctc agtcgccaga agaaggacgc tgaatccaac 240

tggaaagccc agaaagcttg ggaggtagca caagccccta tgaa 284

<210> 48190
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037206H1

<400> 48190

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 atcagcaatg cacgatcttc aatacgaatg caatttcgat atttgacatc ggagtatcag 120
 tgttttgagcg ggtgaattgg aaaatgctag aggcaatgga aagttcggtc aatggtggct 180
 tctcccatTT gcagagctgt ggagatagca gcgaagaaga gttatcggtg cttcctcgtc 240
 acaccaaagt tgtcgttaacc ggaaataacc gcaccaaadc ggtgc 285

<210> 48191
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037208H1

<400> 48191

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 tagaccatct cttgctgtct atgttgcatT tggTgggcct cttgatcaat acttcatgac 120
 aaatcccaag aaactctttg aaagaccatt gaatgttgcc atgttgattc ccaaaacaag 180
 caggTtcttg aacaacatTT ggtctgcgca gtcatgaaca cttttgagtg tgaactatga 240
 tgagcatatt ttggtcttgc ttgagagtgt cat 273

<210> 48192
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037209H1

<400> 48192

ctcgagccgt tttctctgca tctgtagtat ctatcaccaa tcaattccac tcttcttccc 60
 atccaacaac aaaaaatcaa tctgggaaac aaaaacaaaa tgccgtcatt agaggaggaa 120
 ctcttcccat caaccccagg aaagttcaag atcgagcggT cccaccacat gaaccgcaa 180

ctctatcgct gtttcgctc caccagcacc atgttcctgt gggccctctt cttaatcgcc 240

ctcacgctt cctatctcag cttccaaggc ttcgtcgat 279

<210> 48193

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701037210H1

<400> 48193

gacgaatcac aaccagaaaa caaggcaaca gaggcagaga tatatgatta tgaatttctc 60

aacagaaccc tctgcctcac gcttaccatt ctgatctcca cttcttcgct gtgcgacgaa 120

gtgaaatttc gttgctgcaa atagtgagat ttgctgtctt tggtcagagt tgctccgagt 180

gatcgcttcc cctggtgcca cgaagtgaat tttcgttgct gcaaatagtg agaatttgct 240

gtctttggtc agagtggctc cgagtgatcg cttccctgg t 281

<210> 48194

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701037179H1

<400> 48194

gaagaaagag acctgaaagt gtcgttgagt cagtgtgtgt gtgcatacaga ccaaagcaa 60

caatgggagg cacttgtgca gatcttcacc accatgaatc agatatagaa ctactgatg 120

ctgaaaggat tggcactgat gttggacctg acagtggcac caaatcccag ggtgaagaag 180

ctgaaggaca aactacgtt gaggtgacca tggacattca tcgtgactct gtggccttac 240

acagtgttaa aactgttgca gctgat 266

<210> 48195

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701037151H1

<400> 48195

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aacttgggtg atcttttttg agttgtagga gcccttacac cttgcagaat catctctaca 120
ttcccaaggg ctctactac gcaataactc caagcccgat ctcaaattaa tatttcattt 180
actcatctta atcaatatta aataagacaa gatgggagag atgtcaaact tccaattggg 240
tgtgattggt gcactatttc tctctgtggc ttct 274

<210> 48196
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701037152H1

<400> 48196
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agaagtcact ttctccaaag tcatgaacgt tgttcccaaa gtatggaaaa gactcatggt 120
aactttttta tgcacctttg tggcgttttt cgcgtacaac gttatgacac tcgttgtttt 180
cgttatatgg gcacttgcaa taggactaag gaatgggtggg gttgtgggtt tggttgtgtt 240
ggggatgttg tatttcgcgg ggtttgtgt 269

<210> 48197
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701037155H1

<400> 48197
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tatttcgaag ataggttcga cttggttaaa ttcgtgaagc tcgcgagaa gcaggcctct 120
atgttcatct ccgtattggt cctacatat gtgctgaatg gaacttgggg ggatttcctg 180
tctggctcaa gtatgttcca ggcattgctt tcagaaccga caatgagccg ttcaaggctg 240
caatgcaaaa attcactgca aagattgtc 269

<210> 48198
<211> 270

<212> DNA
 <213> Glycine max

<223> Clone ID: 701037158H1

<400> 48198

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 tacaccatca gggctgtgga tgaccctagg acattgaaca agattctcta cctcaggccc 120
 cctaagaaca ttactcgtt caacgagctt gtggccttgt gggagaacaa gattggcaag 180
 accctcgaaa aaatttatgt accagaggag aaggttctca aggacatcga agaggcacct 240
 cttccaatca atgtggtatt agcaatcaac 270

<210> 48199
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037160H1

<400> 48199

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 tgcaaggttt taaaagatgg ctgatgctga ggacattcaa cctcttgttg ttgataatgg 120
 aactggaatg gtcaaggctg gttttgcagg tgatgatgct cctagggccg tgttccccag 180
 cattattggg agaccacgcc atactggtgt aatggttggg atgggtcaga aggatgctta 240
 cgtgggtgat gaagcccaat caaaaa 266

<210> 48200
 <211> 266
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701037161H1

<400> 48200

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 gctcatagaa caaccacctt tcttccaactc ctgctactct ttcccttctt tcgtcctcca 120
 agactcactc tctctcgacc tcgacctctt gccacttccc agccacttcg acgctttcgc 180

agatctgggtg cacgcgncgt cgttcgctta ccggcgcggtg gagaggcatc tcgagaatga 240
gttgcgtttg cagagcctct ctgacc 266

<210> 48201
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701037162H1

<400> 48201

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gaattctagg tcacgcaacc atggcatacc tagtacctct gcctttcggt gcgcttctct 120
aatgcctccc aaggttgccg tctctaacat ccggagcttt tggggacata atctggaatg 180
taaacccttg ttgccaagag gaatgacatt gacaaacacg tttgctgtat caagcctgcg 240
tgtaaggagg ggtcaaaatc atctctt 267

<210> 48202
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701037163H1

<400> 48202

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ctcttttttc aaattagtc tgcagaagaa gatcatcatg aggcgcttaa agtcaagaac 120
aacaccactt ttgtccaagt ttgcgcggtt gttggagcca tggccaaatg atgctataag 180
aaaggaacta taaacctgat caggacattt gacctgagga aacatgccct ctaggcaagt 240
ctgatgcttg gcttttcatc tctgctgttg a 271

<210> 48203
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701037164H1

<400> 48203

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gactcttaca tcaacactct ttctggcttt gctatttgct gcttcagctt ttgctgctct 120
tcagcctaga gtacctgaag cttacctcca aaatgggaac tttgaggagc agccaaaccc 180
taaatacctg aagaaaacaa agctctttgg taaatacgtt ttgcctaaat gggagatcaa 240
tggtctgggt gagtatgtct ctgggggtcc 270

<210> 48204
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701037165H1

<400> 48204
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attaaggatc atggaatccc aaacacagtc tgagctacca gttgtagact tcaccaacaa 120
aaatctgaaa ccgggtactg atgcatgggt ttcagcttct caagtagtgc gtgggtgcact 180
tgaggatcat ggtggtttct tggcactcta tgataaggtc agtttggaga catacgactc 240
tgttttattct gaaatgatga atttttttga cctctca 277

<210> 48205
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701037166H1

<400> 48205
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tttggacttg atactgatct attatttaat tttttagaat gccttcattt tggcttatgc 120
tcttttggat atctttgatt aacttctcat acaaatgctg ctccattaat taagtattgt 180
tttactcaca ttgggttcaa acatcgactt gattaattac cctctcctca tatagaaaag 240
tatttactgt aattgtgtgt tgtatcacac atgt 274

<210> 48206
<211> 272
<212> DNA

<213> Glycine max

<223> Clone ID: 701037167H1

<400> 48206

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ggcagcttct tgcctggcgt catgctgcgc ggcttgcgca tgccacgcct gcaggaccgt 120
cgtatcggga atcagccgcc gttccgccag gatcgcttac tgcggcctct tcgccttctc 180
tctcgtcgtc gcctggatcc tccgtgaggt cgccgctccc ctcatggaat cccttccctg 240
catcaatcac ttcaaacaca cacctagccg tg 272

<210> 48207

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701037168H1

<400> 48207

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cagtttttct tgtaccaact tcttaggggc ctgaaatata tacatacagc aaatgtgttt 120
catcgtgatt tgaagccaaa aaacattctt gctaacgctg attgcaaact aaaaatatgt 180
gattttgggc ttgctcgagt ttcatttaat gatgctccat cagctatatt ctggactgac 240
tatgttgcaa ctcggtggta ccgtgca 267

<210> 48208

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701037169H1

<400> 48208

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tccccctgaa agactttgta tgccgatagt tgatcatatt cagtccttgg gtggtgaagt 120
tcactaaat tcgcgcattc aaaaaattga gctaaatgat gatggaacgg tgaagagctt 180
cttactaaat aatgggaaag tgatggaagg agatgcttat gtgtttgcaa cacctgtgga 240

tattctgaag cttcttctac cagaca

266

<210> 48209
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701037170H1

<400> 48209

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gctattcgtc gcaggttcaa tttagagggc agttgcgaac acttaataga tcatgcggat 120
gctgcggaag cattttggaa gatgaggtgc agcgtgaaca gtgtgagtca acatgtgact 180
tggcaactca tgtcttctgt catgtatgtg ctctttgtca agaaggtcgt gagctccgtc 240
gcaggttacc tcactctggc tttaatg 267

<210> 48210
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701037171H1

<400> 48210

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gcaacatgag taaccacact cgcgcgctac caccagcagc taccctaag atgcagcaaa 120
ggaaggagcg acaaagggtc tccacttctg atgacagtgc catgaccaag caagttcagg 180
ccactcatgc ccctgatggt cgtgaaattg atgtcaaacc cattctccaa attgtggatg 240
acatatggtt cggttcatcg ctcgca 266

<210> 48211
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701037172H1

<400> 48211

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cactctttct ctatctaccc tttcccttcc atccattaga gagtggaaaa catcatccat 120
 gtgttcaat catgttaggt catggataca agagctacca ctctttgtta atttcttctt 180
 aagaccaatc tgtgaaaggt ttgacttttc ttgtcccttg aatcccgaga acacaagcca 240
 aatcaatctc ctattgctaa cataa 265

<210> 48212
 <211> 253
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701037173H1

<400> 48212

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 gagaggtttt gtgaattggt gctgcttcgt gtctgtttat ttcctcgca ggtttgaatc 120
 ccggaacagt gaagagaaac ggaggttccg atcctgcgat gtgatatatg agagatctgt 180
 caggaaattg tcctgganaa aaaaaatggc gatctacgag gtatccatca gccgaaattc 240
 ggtgaacgga aaa 253

<210> 48213
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037174H1

<400> 48213

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 gcttttaaaa ttggtgacac agctggaaca attgacaata taattcagtg caagctctac 120
 aggctggat ctgttggatt tgtttctaaa tctggtggga tgtccaatga actctacaac 180
 actattgccg gtgtaactga tgggatttat gaaggcattg ctattggagg agatgttttc 240
 cctggttcca cactttctga cc 262

<210> 48214
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037175H1

<400> 48214

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 cttctgcttt tgtgtgtgtg tttgtgattt tataattatt cataattgtg tgttgaaaat 120
 gaaagccaat ttgcagagca agggcgtcga ctatgaatgt cgcattcttc cttgaagggt 180
 ggcgaaaaca atgacgattc tccgtgccta tcaaatttac tctgttttga tgatggcctc 240
 gaacaagtcg caacattctt tttat 265

<210> 48215

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701037176H1

<400> 48215

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 ctgcattttt taattctcaa gttccctgtt acccattctt taggagaatc agaggggttc 120
 ctatatttga ggcatttgtc ggctttgtgg tcgccagttg ttggtctttg atcatgaaga 180
 gtttgcagtt ttgaagtgtc cggagctctg tgcaccgaag ttgccattgt ccagagagag 240
 gattgcattc gaggaactgt ggag 264

<210> 48216

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701037177H1

<400> 48216

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 ctttcctaca aatccaaaat aatagtttta gtttacaaaa tggctgtgga actcatgggg 120
 ttcccaaaac tagacgaaca aaaggccatt caagaagccg catcagaagg cctcaagggc 180
 atgaaacacc tgatccgaac cctttccaac caaccctctc acttaaacac cgaacttacc 240
 gacgttacgg tttcaaagtt caaga 265

<210> 48217
 <211> 261
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037178H1

 <400> 48217

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 acctgagtct gcattgcttt accttgagct tccttctact gtcttaatgg ctgatgcagt 120
 tcaaccattg actgatgcag caaagcagta tcttgccagt cgatacaaag atataacaaa 180
 gttccaggaa gaggttatgg gcttgcctct agctggaata gaagcaatat tgtctagtga 240
 cgaacttcag gttgcatcag a 261

<210> 48218
 <211> 276
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037150H1

 <400> 48218

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 tcagtctcag aacttatagt gcttcttatg cacaaactca aataggtcct cctagggact 180
 tgaagttgaa gaaaggaaaa agcatttctg cagggctctt tttctccaag tcttggagct 240
 ttgctgatcc tgagcttcag aggaagaaga gggttg 276

<210> 48219
 <211> 275
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037123H1

 <400> 48219

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 atacggtccc cactgtgctt ccaccaagcg ggtgctgctt tgtctggttg agaaggaagt 120

cgaatttgag gttgtccctg ttgatgtcac taagggggag cagaaggatc ctgagtacct 180
 caaactacag ccatttggag ttgttctgt catcaaagat ggagattata ccttatatga 240
 atctcgtgct ataatgaggt attatgcaga aaaat 275

<210> 48220
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037124H1

<400> 48220

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 agcaaccacc tccagtttca tgcacccgtg taccttgtct ctctcgtctc tcgccgccat 120
 cgctctccta caccttcaat cctcttaggt ccttcacgg tcacggcgga agcagaagcc 180
 caggggttctg tgtccattgc tacgtctctg ctctctcac tctcccaat ctgcaatgga 240
 tctctaccat ttcctcagtg gttttgatac tggcgag 277

<210> 48221
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037125H1

<400> 48221

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 acgaggggtga tccattgaga atagttgggt taggagctgg tgcttgggggt agtgtgttta 120
 ttgctatgct gcaggaggct tatggtagtt taagagaaaa agttctgata aggatatgga 180
 gaaggccggg aagaatgggt gacagggcca cggctgagca cttgttcgag gtgatcaatt 240
 caagggagga tgtactgagg aga 263

<210> 48222
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037126H1

<400> 48222

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 ttctaggatt tctgcctgct gcatcaaaat gggaagcaac ttgaggtttt tgagtctttg 120
 cctcttggca ttgattgcat caactcatgc tcaacttcag cttgggttttt atgctaacag 180
 ttgccccaaa gcagagcaaa ttgttttgaa atttgttcat gaccatatcc acaatgctcc 240
 atcactagca gctgcattaa taagaatgca ctttca 276

<210> 48223

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701037127H1

<400> 48223

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 acagtataaa gaggtttgct ggggttgata aggaaaagaa ggagcttgat gctgaggttc 120
 atcgcaaata tgttttttgt ggacatgttg ctgcctatat gaagatcttg gctgaagatg 180
 aaccagagaa ataccagtca cacttcagtg aatacatcaa gcgtgggata gaagctgatg 240
 gtattgaggc actgtataag aaggttcatg ccg 273

<210> 48224

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701037128H1

<400> 48224

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 cgtcccttc cgttactccc ctgcctccac catcgccatg ctcaaggacc gcatttttgc 120
 agactggccc aaagacaaga agattatacc aaaagcagca aatgatataa aactgataag 180
 tgctggcaaa attttgaga accacaagac agttggccag tgtagagtac cttttggcga 240
 gcttcccaa gggttataac catgcatgtt gtgg 274

<210> 48225
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037129H1

<400> 48225

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 caatgatcgg aaagtgtcg gagttgttgg tctcgagagg ccgcacgggtg gcacttttgg 120
 acaccactgg aagcccaaga ggcccattag acatgcagat gatgcaatca ccaagaggct 180
 taaaaaatta tgatcttggg ggcgttggtc ttggaattgt ggtggctctt gataaatcca 240
 ataacgaggt tgctgcacgt gaagttttgc cca 273

<210> 48226
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037130H1

<400> 48226

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 gtatcatcca agaggaacgt aggggaagat aaagagatga cgataaaacc tgttggtcgt 120
 gtttcggagg ggaagctggt ggtgaaggag cgaacgattt tgaccggaat gccggagaac 180
 gtggtggaga catcgacggt ggaaggaatg tttctcggag tggatttcga gaaggaagac 240
 agtaggcagg tggtttcggt gggaacgttg a 271

<210> 48227
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037132H1

<400> 48227

gggtaaggtc gcgttgtgtt gcgtcgtgtc gtgcgctgtt cctctgtttc tcgtttttgt 60
 gttcagaccg aaccctagct ccgcacgcga accatgtcga ccaagcaagg tggaaaagct 120
 aagcctttga agaaacccaa gtctgataag aaggattacg acgagattga tgtggctaac 180

attcagaaga aaaaggaaga ggagaaggcg ctaaaggagt tgaaagccaa ggcgcaacag 240
aaggggaagct ttggaggttc tgggctcaag aaagtgga 278

<210> 48228
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701037133H1

<400> 48228

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acgctacaga cactctttgc caaccaagga cttgatttga aggacttggc cctgctctct 120
ggtcgtcaca caattggtat cgctcattgt tcattcattat caaaccgctt gttcaatttc 180
actggcaagg gtgatcaaga cccttcacta gacagtgaat atgctgcaaa tctgaaagcc 240
ttcaagtgca aggacctcag taaattgaac accacaaaaa 280

<210> 48229
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701037134H1

<400> 48229

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ctagtgtgtc tcaattctgt gacggcacia tccccagggc cagaattctc atcactccac 120
gacaccttcc ttcaatgcct caccaaatac acaacaaact cctcatctca actctccaac 180
atagtcttcg ctaacaccaa cccaagttc cccactgtcc tccaaaacta catccgaaac 240
gcgcgtttca acacctctc caccacaaag ccttcactca tc 282

<210> 48230
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701037135H1

<400> 48230

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 tttttgctcc ttcgcttatg aatcttcttc ttcttcttct tcttggttct gcaacgcact 120
 gaattcgatc aatcaatcca tcttcaattg ctttgtttcg atcggaggaa aatggccgat 180
 cagttatcga agggagagga attcgagaaa aaggctgaga agaagctcag cggttggggc 240
 ttgtttgggt ccaagtatga agatgccgcc gatctc 276

<210> 48231
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037136H1

<400> 48231

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 tgcccgccta aagaaggctg ctgaagcaga gaaggaggac aagaataag gtccttgaga 120
 agacagtttg taatccatat tatagtttg agaaattttt gtttgatggg ctgcgccctt 180
 agcttttatgg agatcatgag ttttaaagca ccacccttac aatttttggt tgaactcaag 240
 tctgttaatt taattagcac tctgggtctgt ttg 274

<210> 48232
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037137H1

<400> 48232

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 gatgatcagg gtcgcaaggc cgacgagtat ggcaatgttg agaggcaaac tgacgaatat 120
 ggcaaccggt ttcattgccac tagtgctact tatgtagcca ccaaaagtgt tgggtggctac 180
 aatgatgacg ctaataagca acatgatatt actggtgtct atcccgaata agacaccggt 240
 agacatcatt ttggctcgtg ttacgacggt gaca 274

<210> 48233
 <211> 273

<212> DNA
 <213> Glycine max

 <223> Clone ID: 701037138H1

 <400> 48233

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 ggaaaatgat catgaaagat caggaaatgc cagaaggact tcaaggctctt gtttcatttc 180
 aatctgaaaa taaccctaag actcaagagc agcttggtta aggttcctaaa aaccattgtg 240
 aagagtctct agttacaaat acacaagtta ata 273

<210> 48234
 <211> 269
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037139H1

 <400> 48234

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 ccatctctgg tttcgagggt gacaacatga ttgagaggtc caccaacctt gactggtaca 120
 agggaccaac tctccttgag gctcttgacc aaatcaatga gccaagagg ccctcagaca 180
 agccactcag gcttccattg caggatgtct acaaaattgg tggatttggg accgtgccag 240
 tgggacgtgt tgagactggt gtcgtgaag 269

<210> 48235
 <211> 101
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037140H1

 <400> 48235

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 aatggccttg ttctctgcta ccgcaaccgt tcttctctgg a 101

<210> 48236
 <211> 89

<212> DNA
 <213> Glycine max

<223> Clone ID: 701037142H1

<400> 48236

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 gtgcagagta cactactctt ctccatcaa 89

<210> 48237
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037144H1

<400> 48237

ggatgatatc cggtcattgg aacgtgaccg atgtctgcaa cgcgctgtta ggcggcttcg 60
 ccgccataac agccggctgc tccgtcgttg agccatggac agccatcgtg tgtgggtttg 120
 tcgcttcagt ggttctgata gcgtgcaaca cattagcaga gaagggttaa ctcgatgatc 180
 ctttggaagc ggcgcagtta cacggtgggt gtggcgctg gggggtgata ttcacggcgc 240
 tgttcgcgaa aacggagtat gtgagcca 268

<210> 48238
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037145H1

<400> 48238

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 cacgatgttg ctggaacttg cacttggttt gttctgtgtt agctttgttt ctgcacttgc 120
 gtccacacc aagtgcacaaa tcaaaagcac ttcgccacct cccaaaccct ccaagcccaa 180
 agcctcgtct tcccttcatt ggccaccttc acctcttaaa agataaactt ctccactatg 240
 cactcatcga tctctccaaa aagcatggcc cc 272

<210> 48239
 <211> 269

<212> DNA
 <213> Glycine max

<223> Clone ID: 701037146H1

<400> 48239

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 atgcccacca aagcaaaacc acatatctct ccaaaggccg actcttttcg ccctttataa 120
 ccaaatacaag aaaccccaga tctcgggtat agctgggtgat cttgaatttc tctgtcttct 180
 gtctttcttt aatttcttct cttttctttg accattacat tcccggaaaa cggttttccg 240
 gggaaagaag tgaacgaagg gcacaattg 269

<210> 48240
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037147H1

<400> 48240

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 agtttcttac ctcaccacaa ctcatatctg gggaggagat tcttcacttc agccaccctc 120
 agcaccctct ctcaatgggtg gatctccctg acctgttcaa ttgtgtgggg tgcaaagagt 180
 atggctctgg aaagagggtt gtttgccagc aatgtgattt tcagctgcat gacttctgtg 240
 ccttggtccc tctgtctctc aaggcacacc 270

<210> 48241
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037148H1

<400> 48241

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 caggatga gcttctctct gactccttcc gttacaagga aattgagaat ggaatgctgt 120
 gggaagtga ggggaagtgg gttgttaaag gagcagttga tgtagacatt ggtgcaaacc 180
 cttctgctga ggggtggagga gaagatgagg gagttgatga tgcagctgtt aaggttggtg 240

0022250"ETTES60

acattgttga cacattcaga cttcaggagc aac

273

<210> 48242
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701037122H1

<400> 48242

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ccatcgtagc ctacactggc ttctctcctt ccaccttctt cacggtgctg gcgcttcttt 120
ttgccgttta ctacgtcgtc acgggtctct ttggctcctc cgacgatcac catcacggcc 180
accgccacgt cgaggaggag gaggagatgc cgcctctgcg ccccccggtt cagctcggcg 240
agatcacagc ggaggagctc aaggcctacg acgg 274

<210> 48243
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701037149H1

<400> 48243

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agtctgtgtt gttcagcttc attttcccc cgccaccttc tctggtggtt tgggggttga 120
ctgtgacaag cttcctgata ctggctaatt ctttcttgtc agaaattaga ggggaagcatt 180
tgaactattc aaagttttgg aatgctaate cctctgcaga aaagcaggtc aagttgtcta 240
gcaaagctgg catgcttttg ctgtacactc ctgcttttct 280

<210> 48244
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701037092H1

<400> 48244

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aggaatggct taatttggca gattcagatg gagatggctg aatctctggg aacgacgcca 120
 caaagttctt cgctctctcc aacttgctgc gctcgcaact gaagcaactc tgggctctcg 180
 ccgatgtcaa aaggcaaggg tttttgggct tcacagagtt tgttcttgca atgcagttgg 240
 tttcgctagc aca 253

<210> 48245
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037093H1

<400> 48245

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 acctcaacca ccgtttacgt ggggaacatg tctttttaca cgacggcgga gcaagtttac 180
 gagctcttct cgcgtactgg ggaaataaaa acgatcatca tgggcttgga caagaacacc 240
 aaaacgcctt gcg 253

<210> 48246
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037094H1

<400> 48246

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 ggcggaagaa agtggaaacg acgccgttgg aagggtgggaa gaagatgagt tcgcagcaaa 120
 tgcaaagtca aattcaaatt caaaacagtg gtggtggcag tggcaacaac aacagcagca 180
 acatcccagt gagcgaggtt ttctggactc tcgtcgacaa agccgacaaa aaattctcca 240
 aaatcagaga ccttcc 256

<210> 48247
 <211> 259
 <212> DNA
 <213> Glycine max

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00531113.032200

<210> 48250
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701037106H1

<400> 48250

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aaaagagggga ttccagctta tggatacaaa caacagaggc aagattaaca ttgatgaatt 120
acgagtaggg ttgcataaac ttggtcacatca agttcccgaa tcagatgtcc aagctcttat 180
ggaagctggt gatgtagatg gggatgggca cctagattat ggagagtttg tagccatttc 240
tgttcatctg agaaagatgg gaaatgatga gcattctcgc 280

<210> 48251
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701037107H1

<400> 48251

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ccaacaaaca cacatggaag atgagccttt gtgctatcgt ggctatcaca attgttggac 120
tagtagtcag aggcaacact agctatggaa tactgtccgg agcagaaaaa tataatgatg 180
gaatcgcaac caatcagggga gatattgttg aatcagatgt gggagttgtt gcaaccgatg 240
atgctcggtg ttctgcaatt ggtgtttcaa tg 272

<210> 48252
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701037108H1

<400> 48252

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tgctaacatc atgggtcgct ctcagtggct aacgtgtcca aggaaggatt tgtcaactgg 120

ttggcttcac tgtgatcctg gtccactggt taagccagaa tcttatccct tacctggatg 180
 tatttctcac tggttctctt ggaaagagat atcaatccta ccaattcaat ggcattcttt 240
 atgtctaggc ttgtttgctt caattattgc accttttg 278

<210> 48253
 <211> 280
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037109H1
 <400> 48253

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 tattaaagag tagcttatat atttgttact ttttcttttt tttggagaaa atatatatat 120
 atatttgta cttattagta agtcaatgtc aaacatgaga caccctcgg ttgtatgaaa 180
 tgaaggagat gttacaagac ccaaaagggt gattcaatag ctcattactg gaaataatca 240
 tatggtaaata aatatatctt tgttctattg actccctaaa 280

<210> 48254
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037110H1
 <400> 48254

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 ttccaactcc tctgatcaaa atcctaggct cggtcttgaa tccctaattc gatctcctcc 120
 tctcctccg aagaataaaa ggaggatcga tgtgggcagc atcttgctg gcgtcgtgct 180
 gcgcggcctg cgcattgcgac gcctgcagga ccgtcgtttc gggaatcagc cgtcgttccg 240
 cccggatcgc ctactgcggc ctcttcgcct tctcc 275

<210> 48255
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037111H1

<400> 48255

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 tgaaagggga tgttctatct gcaattaagt caggaaaatt gtctccaaa cctgcttcat 120
 ctaaagaaaa ggcattgtca tctcaaagtc atcaacaagt tgcagcttcc caagagtcaa 180
 aatctgactt aaaaaagtca gatgcttatg aagattttcc taatagtcaa attcgcaagg 240
 tgatcgccaa gagattattg gactcaaaac aaaatac 277

<210> 48256

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701037113H1

<400> 48256

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 aaacagaaca acaatggcga cacttaaggt tctcagcct cttccccccg ttgcagatga 120
 ttgtgagcag ctccgaaaag ccttctcagg ttggggaact aacgaggagc tgattgtatc 180
 gatcttggct cataggaatg ctgctcagag gaagcttatc agagaaactt atgccagac 240
 ctatggagaa gatctcctca aggccttgga caaag 275

<210> 48257

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701037114H1

<400> 48257

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 agcccaccgt ctcccttctt cccactcact cactctccgt cgtcgtgttc cggcggcgga 120
 gatcaccctg cggcggggcg tgggtggctc cgcgagcatg cgcggtggag gtgtcggagt 180
 cggaggggagc gaagatggtg atggagctgg tgggagcctt caacgagttg acggagagaa 240
 tgaacgtgct gtcgacgagc tcttcgcgtc ttctc 275

0953113.03200

<210> 48258
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701037115H1

<400> 48258

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gcattaagat ttcgttttgt gtgatgtgtg tgttgggggtt ggtgatcgtg ggtgatgttg 120
cctacgctca agattcagca gaagactacg tgaatgcaca caatgcagca cgagcagagg 180
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ttgctgctta tgcagagagc tatgctaatac aacgcaa 277

<210> 48259
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701037116H1

<400> 48259

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ctcaccgacg accagatcgc cgagttcaag gaggccttca gcctcttcga caaggacggc 120
gatggttgca ttactaccaa ggaacttggg actgttatga ggtcacttgg tcaaaaccca 180
actgaggcag aactgcagga tatgataaac gaggttgatg ctgatggcaa cggaaccatc 240
gatttccag agttcctcaa cctgatggct cgcaagatg 279

<210> 48260
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701037117H1

<400> 48260

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tcagctctaa cttggagact acaaaagcag agagatctgt gtggctgatg aagtgccctt 120
tgggtgtggc taagtcattg cagacccatc ctcttctca acctctcgcc aaggttgtgc 180

tctcccttga tcctctccac cctgaagaag acgatccctc tgctgtccag tttacaatgg 240
 agatggcagg cacagaagct gtgaatatgt ccacaactta ttcac 285

<210> 48261
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037118H1

<400> 48261

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 tggactcagc aaatcgaggg gctttcagtc gcttcttcag cgacaagggt cgcgttctca 120
 gcgaggagga acaggccaaa gaaaacgtct acatccagaa atgggagagg gagaggttgg 180
 agaaacagaa gcaacaggct gagaagacca aggcagacaa gggcaaagat gctgctgctg 240
 ataagaaacc tgaaggttct caaaagggt gagtttatcc tt 282

<210> 48262
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037119H1

<400> 48262

aatggacagg cttgtcattc ttcctttctc tgctggttgc atctctgagg ccagtgttgc 60
 tgttggtgtt ccacatccac gaagatcaaa accagacacc aatgcatcac ctctacaat 120
 aaaacggtct aaaagcgtcg aggattcaga gattttgtct ggtgaaagca tgaagaactc 180
 gttgaggctg ctagacgttg ttccaaagtc taacctatcc tacggcttca atagactggc 240
 caagggtttc aagaattctt ctcaattgtt tgt 273

<210> 48263
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037120H1

<400> 48263

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agctatctat tttccagctt ggaatcagtc ctcagataat agcatccatt attatgcagg 120
tactctgtca tgttgtcctt tctttagtaa agctacggaa agaaggtctg gatgggcatg 180
agaaaattaa gagttatata tgggtgatgt catttggctt tgcaattctg gaagctttaa 240
tagttgcttg ctactcactt ccatattcaa tttatgctg 279

<210> 48264
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701037121H1

<400> 48264

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caccaagctt gaaccccggt ggaggagttg ggcatgtgga caaagtgggt ggtgttgatt 120
cctatttcac tggatctcct cactccaaac tcgctgttct tatgctctcc gatgtttttg 180
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tagttgttcc tgacctcttg gatggcgaa 269

<210> 48265
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 701037090H1

<400> 48265

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aacaacaca gaaaagaaat gacttatttc tagctcctag ttatttgttt tttttttcat 120
ttttttaaga actaagaaaa ctagtcctat agaggacatg taattatggt caagatactt 180
atgttgaatg tggccaactc ttggatgacc acgtggaata atacttttat ttattttttt 240

<210> 48266
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701037060H1

<400> 48266

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agaattttct aataatggcg aaagacgttg agcagggtcac agagcaaggt gaatactccg 120
cgaaggacta ccatgaccct cctccggcac cgttgatcga cccagatgag ctacaaaagt 180
ggctccttgta cagagccgcc atagctgagt tcatagcaac actccttttt ctttacatca 240
ccgtgttgac cattatt 257

<210> 48267

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 701037061H1

<400> 48267

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ggctatagcc tcttctcctc taaagacgtt tctggagaaa cataacaggt taagaacagc 180
cctgcttggt gtggtattgt ttggtgcttg catggtcatt ggtgatgggtg tgcttactcc 240
agcaatttcg gttctag 257

<210> 48268

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701037063H1

<400> 48268

acaaaaacca atcggatcgt ttcctctgcg gcgtcagaaa tccatggatc cctacaagaa 60
tcggccatca agcgccttca attctccctt ctggactact aattccggtg ctcccatctg 120
gaacaacaac tcatcgctga ctggtggatc tcgaggtagc gtatgggtatt caatattatt 180
ttctctactt catgatcaca ttttttcac cagatgactc taaccaaga ctttacttaa 240
caacttaagt caggaccact cgg 263

<210> 48269
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037064H1

<400> 48269

atcggttcta aatcttcagt gtctgtatc taactgtcca gcgcaaaact gtccttagat 60
 gctacctcaa ctttgcgtat tacttttggt taggggtgtag ttttagtgtg tactagttga 120
 gtgcaatgct gtgggctatg aatgatgctt tttcgcaccc aataatggta taaatagccc 180
 tacgagaagt gattgtcaca tctattttgt attgttgtct tcaataaatt tggacttcta 240
 aaaatcctaa tagccggtgc aaat 264

<210> 48270
 <211> 134
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037065H1

<400> 48270

caacggttgc tctgctctac gtaaaggaca agcaagtcga agcacgggcc ttggatgacg 60
 ccacgcaacc ctcgtgcttc tttcagcttt tcggtgctct gaaagagctc aagagaccga 120
 tctggatgct gatg 134

<210> 48271
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037066H1

<400> 48271

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 agtatggttt cttttacctt gtgaaccatg gcgtggagaa tgacttggtc aaagcctttg 180
 atgagagtca gaggttcttc tcaactccac caggagagaa aatgaagttg gcccgcgaagg 240

267

<400> 48272

<400> 48273

<400> 48274

19161

<210> 48275
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037070H1

<400> 48275

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 tccagtgact aagttgcact tcagaggagg taggattttc aatgctgtca tggaggattt 120
 actagcaaaa ggaatgaaaa atgctcgaaa tgctattatc tcgggatgtt cagctggagg 180
 attaacatca gtactgcatt gtgatcgatt tcgagctcta ttacctaggg gagctagagt 240
 gacatgcctc tcagatgc 258

<210> 48276
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037071H1

<400> 48276

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 aagctctagt tacagatgcc gacaacgtca tcccaaaggc tgctgaagcc ttcaggagtg 120
 ttgaaaacct tgaggggaac ggtggccctg gaaccatcaa gaagatcact ttcgttgagg 180
 atggagaaag caagtttgtg ttgcacaaaa tagaatcagt tgatgaggca aacttgggat 240
 atagctatag cgtagtt 257

<210> 48277
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037072H1

<400> 48277

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 aagccccgct gggtcctccc gtaccgaacc gagaatctgc gcgaggtcta cactctgtcc 120
 cgaaaactag ggcagggtca attcggaacc acgttcctct gcacgcacaa gggcacgggg 180

cgacacctacg cctgcacgtc aatcccgaag cggaagctgc tctgcaagga ggactacgac 240
gacgtgtggc gg 252

<210> 48278
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701037073H1

<400> 48278

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aactcatttg tgatatctct ctgtattttg taatattagc attttcttcc cgattttgta 120
cttccaagtg attcttgacac cttaaaaaca aacgattaac tactgtaaat tatattaaat 180
gctggtgctg atgaacacga ttggttatac caaaaaaaaa aaaaaaaaaa aaaaaaaagg 240
gggggcccc ta 252

<210> 48279
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701037075H1

<400> 48279

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tcttcgttca ccaatctcag atcagctctg acggtttccg aagcctagct gaaggagagt 180
ccgttgagtt cgctattgaa tctgaatctg acggacgcgc caaggctggt gatgtcactg 240
gccccga 247

<210> 48280
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701037076H1

<400> 48280

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 cggaactggt gtcaaccctg ctcgtagtct tgggtgctgt atcatcttca acaaggacct 120
 tggttgggat gaacatggat cttctgggtg ggaccattca tcggtgcagc tcttgagca 180
 ctctaccacc aggtcgtaat cagggccatt cccttcaagt ccaagtgatt caatcaaacg 240
 gttcatgctt aa 252

<210> 48281
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037077H1

<400> 48281

gctagatctc cgctccggcg gccacctcac ccacggctac tacacctccg gcggaaagaa 60
 gatctccgcc acctccattt acttcgagag tctcccttac aaggtaaact ccaccaccgg 120
 ctacatcgac tacgacgctt ggaagaaaaa gccctaggac ttcaggccaa aactcataat 180
 ctgcggtggc agcgcgtacc ctcgcgattg ggactacaaa cgtttcaggg aagtcgctga 240
 taagtgcgga catt 254

<210> 48282
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037078H1

<400> 48282

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 tgatgagtat aaattggtca acacaaaagt tgcattcaac atcggcaatt tattttcatg 180
 acaagcattc cgactttgcc tattatacaa gcaagtaaca ataaaagctt tttccctcta 240
 ttaggtcact atatgagg 258

<210> 48283
 <211> 260

<212> DNA
 <213> Glycine max
 <223> Clone ID: 701037079H1
 <400> 48283
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 gacggcaaag gcgagacgga ggtggtggag gccgggagc acgccatcat gaggcggacg 120
 ggactccccg cgcgagacct gcgtatattg gacctctctt tgtcctaccc ctccaccctt 180
 cttggccgtg agagggccat cgttatcaac ttggagcaca tcaaggccat catcaccgcc 240
 caagagctcc tcctcctcaa 260

<210> 48284
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037082H1
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 gttgcatgta gcacagcaaa agctgttgag tgggatgctg cttggtctaa caaccttgag 120
 ccctcaggta gagcagcact tggagtgcac gcacagctt atggaaacca ggtcaaagct 180
 gtagaaccag agaagatcat acccaagatg gaagtttctc caccaggagt tgccatatag 240
 agcttgatg agccatagca agga 264

<210> 48285
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037083H1
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 cttgggccac cgaccacgat gctctcgaga aagccttctc tcaatttggc gaaatcgctg 120
 aatcgaaggt ccgttagtcg agggattgga tcggatttgg attctctcat cccttctgat 180
 ctgttttgcg ttacttgatc tatgatactt gtcttgcttg atctataatg attcttttat 240

tactcacacc aatcggtg

258

<210> 48286
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701037084H1

<400> 48286

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cctctgtaga gtgtagacca acctcctttt ctttgctttg agctcgctcg atcttcttcc 120
atttcagtgc ttgttttatt ttattttatt tatttaagcc ttttaaagtc ccaacatttt 180
gttcttgctg tttgagattg atgtattcaa ttctgagtga aatcttcttt tccgggtgta 240
tgatcaattc cactgcgaa 259

<210> 48287
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701037085H1

<400> 48287

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gacatttccc cagcaagctg gaaccatccg caaaaacggt tacattgtca tcaagaacag 120
gccatgcaag gttgtggagg tttcaacttc caaaactggc aagcatggac acgcaaagtg 180
tcactttggt gcaattgaca tcttcactgg gaaaacgctt gaggatattg tcccatcttc 240
ccataactgt gatgttc 257

<210> 48288
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701037086H1

<400> 48288

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ccgtacagtg tctgtgaacc tgcaaggaag caaggtttct ctatatggtg ctgatgcaag 120
 cttaactggc ttggtggaca atggaaaaat accaatgact cttgtctttg aagttggatc 180
 gctaggggaat attgttggga ggttgggtgag gtccaaacat cgaaggcgtg tctcttgctc 240
 agtggctatt gattccc 257

<210> 48289
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037087H1

<400> 48289

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 ccttgccaga agttaaagt gccaagaaa ctttcttatt cacatctgaa tcagtgaacg 120
 aggggcaccc tgacaagctc tgtgaccaga tctccgatgc tgtgctcgat gcatgcttgg 180
 agcaggaccc tgacagcaag gttgctgtg aaacctgcac caagaccaac atgggtgatgg 240
 ttttcggcga gatca 255

<210> 48290
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037088H1

<400> 48290

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 ggtgaccaat ccgtgggcaa caccagcatc atcactcgct tcatgtatga taaattcgat 180
 aacacctatc aggctacaat tggattgat tttctatcaa aaactatgta tcttgaagat 240
 cgaactgttc gactgca 257

<210> 48291
 <211> 87
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037059H1

<400> 48291

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aagaaatccc aagctcttcg aagtggc 87

<210> 48292

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 701037089H1

<400> 48292

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cgccatgaga tgaattatta ttctccgaaa acgttggttcg tttttgggga ctcgatatgtt 120

gataccggga actatagaat aaatcaagct ggttcgctcg ggaaaaaacc ttatggcgaa 180

acttttcccg gaaaaccagc cggaagattc tccgatggaa gacttctaac cgactacatt 240

gctaag 246

<210> 48293

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701037029H1

<400> 48293

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aaatccaaac cctaatttcc tccccgacca atctcaaacc ctcgacttcg actccctcat 120

gcctccgcaa cccgaatccc caccgccccaa ccataccac tccccgacg cctctccacc 180

ggaatcctcc ccgtcgccgc cgctccgtc gatcctctac ctctccttca accaggacca 240

ggcctgcttc gccgcccgcg ccgacaacgg cttccg 276

<210> 48294

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701037030H1

<400> 48294

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 tgatagttac ggtggaggca gaccctgtta tgtgaaccgt ggtgatcaat atttcagcga 120
 agagaatcca caaggctgca taattatgtg acaattacgt ccacggcggt gcattattgg 180
 gttctgtaaa tgatggtggc cattcacaat ttgtctcaat tatcatcatg tttaatcacg 240
 tccaatccaa tgtttttgggt att 263

<210> 48295

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701037031H1

<400> 48295

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 atgtattctg tttgagtttg aaacattgat tcgttgtttc ctctgcaaaa ttaaattctc 120
 attgtgattg ttgatgaaca attgcagtgt ctctccgatt tgaggattcc ggcgacagcc 180
 agcgatgacc accggcgggc acggtgacac ctccaaacaa gagctcttcc accttatcaa 240
 acgcttcgga gcttgcgtca ctttc 265

<210> 48296

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701037032H1

<400> 48296

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 ttctcttcca ttggcaaaca tggcaactca aatgagcaag aagagaaagt ttgttgcgga 120
 cggagtgttc tttgccgaac tgaacgaggt tctgacacgt gaattggcgg cgacgggtta 180
 ctccggcgtg gaagttaggg ttacgccgat gcgcaccgag atcatcatca gagccaccag 240
 aacccaagcc gttctaggtg agaaggg 267

<210> 48297
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037034H1

<400> 48297

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 gatattaagg aataaaatct cattcaacac actaaacaat agggattttg caaatgctaa 120
 attttggaag gtccagaagt cagtcaaggg cagccagagc tacaacaatg ggaggcatgg 180
 attatgcaga ttcaaaaaag acgggcaatt ttgttgggaa agtattttctt gctgctgcat 240
 taacaacact gtgcataatc atgatcaagc g 271

<210> 48298
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037035H1

<400> 48298

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 attgtcaaatt tccctggaggc acctgaactt cagagtgtaa atatcacaca aaggtgtctc 120
 aatcagaata agagggggttc aattttaatc aagtctgctg acttttcatg ggaagataat 180
 gtatcaaagc caacactgag acacatcaat ttggagggtta gaccagggca aaaggtggct 240
 atctgtggag aggttggctc aggcaaatca 270

<210> 48299
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037036H1

<400> 48299

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 taccaatcaa atcacacttt tgtgttgtgt tgggaaacct taaaccccggt ttccggtgag 120

atcgagatcg atcgaacatg gatgaggagt acgatgtgat cgtgttgggc acgggtctca 180
 aggagtgc at tctcagcggg cttctctccg tcgatggcct caagggtctg catatggata 240
 ggaacgacta ttacggagga gaatcc 266

<210> 48300
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037037H1
 <400> 48300

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 actcagacaa gtcctttggg tcacattggg cccccaagaa accctgtaca gaatttgta 120
 actccaacaa atgcttcact ttcatttcct gttacttta gccaaccaac gccaatagga 180
 caacatcaga catctgtgtc ttcaatgc atacctatgt ctggtatata gtcatcaata 240
 cctaaccagt cattgaccca tcta 264

<210> 48301
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037038H1
 <400> 48301

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 gaagaatcgc aaatttggtg agaccatcga actccaaatc ggggtgaaaa actacgatcc 120
 acagaaggac aagcgtttca gtggctctgt caagctgccc cacatccctc gcccgaagat 180
 gaaaatttgc atgcttggtg atgctcagca tggtgaagcg gcggagaaga taggactgga 240
 ctggatggct gtggaag 257

<210> 48302
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037039H1

<400> 48302
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 cccagaggag ctacacagt ggtccttcta tagagccctc atcgctgagt tcatagcaac 180
 ctttctcttc ctttatgtca ctgtgctcac cattattggc tacaaaaggc agactgatac 240
 aacggtaggt ggcaccgact 260

<210> 48303
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037041H1

<400> 48303
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 agtcatgagg gaaacaacca accgctccat catcgatcac gaagacatag actgcaacaa 120
 agaggtgcat gctcgaccaa caacgaaacc tttttcagat tcagattcag acttcgaccg 180
 caagcgtgtt aaggttaagc cttacaggtt tactctgtcg ggtctgctta acaacatgga 240
 tggtttgtgg tcaagtgggtg g 261

<210> 48304
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037042H1

<400> 48304
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 gtggtggtgg tcgatttggt ggaagaggtg gtggcggtcg atttggtgga agtgggtgggtg 180
 gtggtcgatt tgggtggaagt ggtgggtgggtg gtcgatttgg tggaagacgt ggcggtggaa 240
 ggggtcgtgg aaat 254

<210> 48305
 <211> 261
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037043H1

 <400> 48305

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 tgggtgcaat cccaatgaag gagacagacc cgtgtaggct aaaaggagag agcaacaccc 180
 caccctcgga ttcattgggct tggagaaagt atggacagaa acccatcaag ggttcgccctt 240
 atcccagagg gtactacagg t 261

<210> 48306
 <211> 129
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037045H1

 <400> 48306

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 ctctcccttg tcttcttctt aattagcctc tctcattgag tgcaccagcc caaaaaaat 120
 atagatata 129

<210> 48307
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037046H1

 <400> 48307

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 gccgcgccgc ccccgccgca atggatcgct ttccgttctt acccatccag cagcaaatcc 120
 tcgtgacca ccccgtcgca ccatgcgccc gggttacttt ctgcaccggg cccacttcat 180
 gaccagccc ttccactcc gattcgaacc gggtcgggtc cagagcgact ccgactcgtc 240
 ctccgtcgtc gt 252

<210> 48308
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037047H1

<400> 48308

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 tctataaact ttctcctgct tctgtctcta ctagcctttg ttccctcctg tcaactgcaaa 120
 aagaacatag gaggttacct ctaccctcaa ttttacgacg gttcatgccc cagagctcaa 180
 gagattgtcc aatccatcgt tgccaaggct gtggcaaaag aacccccgcat ggctgcttcg 240
 ttgctcagac tacatttcca tg 262

<210> 48309
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037048H1

<400> 48309

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 ctcaggtttt gttagcgaca acaataacca tgatgaagct atcctaagag catttgacgc 180
 caagaacaac gagcacatac agtgcaagat ggagcaattt ttttctaacc actcacaaga 240
 cacgggcttg agcaacgaca gaaaca 266

<210> 48310
 <211> 136
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037049H1

<400> 48310

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ttaatacagt ttcacc

136

<210> 48311
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701037051H1

<400> 48311

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acaataccca aaattccttt tctattgcta ctttcctgc ttctcttcag tttcgtaaac 120
gcattcctcg acctcgctac tatacccttc aacgacggct attctccgct cttcggagct 180
agcaacgttg ttcgctccga ggatggatac ggcgtacaac tccgcctcga tgcgtacaca 240
ggttcggggtt tcatttcctc cagta 265

<210> 48312
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701037052H1

<400> 48312

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gagagcgggtt ttgcagaaaa aatccaagta aatttaagga gccaccaactg ttccaatcag 120
cccctttcat tttgcagtgc cggtttattt tttcgtgttt gcattcaccg ttccacagaa 180
ggcaaaaagc ctgctttgtt ccattctctt ctgtgggtgtg tctcaagata aaaagctcac 240
tcattcacag cagcaacaa 259

<210> 48313
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701037053H1

<400> 48313

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ccaatgtcgc cggacgtttg gccccgcaa cgcactgtac tttgccggac ccgcagtcgg 120
 cgggtggcgca agagaatttt ccgtcagagt cttggccgca gaggggtccgt gcccatatcc 180
 gacccgacca agacttcggg atttttacaa tccttgattt gccgctctcg aggggtgaatc 240
 cagtgggtggg aagcggcggt g 261

<210> 48314
 <211> 125
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037054H1

<400> 48314

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 ttcctgaaat agtacggatc agtcaaactg gtttctgaaa taaataaaat agcaaattag 120
 tttct 125

<210> 48315
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037055H1

<400> 48315

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 tgatcggaac agaacagagg catgggtcaa gcttttcgga agctcttcga caccttcttc 180
 ggcaataccg agatgcgggt tgtgatgctt ggtctagatg ctgctggcaa aacaactata 240
 ctgtacaagc tccacat 257

<210> 48316
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037057H1

<400> 48316

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 tacccttcaa agtgttttagc gttccagacg ctgcgccttt tactgccgtt ctcaaattcg 120
 ccgccgaaga attcaaagtc ccgccccaga ccagcgctat catcaccaat gatggtgttg 180
 gcataaatcc ccagcagagc gcaggcaatg tcttccttaa acatggttca gaattgcgcc 240
 tgattccgcg cgataggg 258

<210> 48317
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037058H1
 <400> 48317

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 aggcggaggg tccggcagag ggggttcggt ggaggcaggc gcaggacag caatgggagc 180
 ctcttggttc gtaacattcc cctcgattgc agaccgagg agcttcgcgt ccctttcgag 240
 cgatttgac c 251

<210> 48318
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037028H1
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 gaggatttgg tccaagacaa agaagaagag gatgatagta gtaagattgt tattccagtc 120
 ccagagagcg agtccttgtc attgaaggag gatagcaata gggtttctga ttccgagaaa 180
 aatgccattg atgagctgaa gaagctcctg aaagaggaat tagaggacga ggaggtttcc 240
 atctggggcg tccctctctt t 261

<210> 48319
 <211> 279

<212> DNA
 <213> Glycine max

<223> Clone ID: 701036992H1

<400> 48319

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 ctctcataat gagggacaga aactgagagt gaaatgcaga aactgctacg cccttcttct 120
 tctccggtcg ccctctctc tatctccgtc accgtggcta ctccctttct ctggttggcc 180
 cccaaagttt caaacttggg accaatgtca gcagcgttca cttcttcttc cctcaatccc 240
 caactttctt attctcgcta tttggctctc tctaccaac 279

<210> 48320
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036993H1

<400> 48320

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 tactcttcgt tattgtggca ctgaaaatag gaagaagaca tctcaagaaa tctgagtcaa 120
 ctccaaaaat acccccagga ccatggaagc tacctatcat agggaaatata ctccatcttg 180
 tctaattctac accacaccga aaattaagag acttggccaa aatatatgga cccttgatgc 240
 atctccaact tggggagctc ttcataatcg ttg 273

<210> 48321
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036994H1

<400> 48321

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 ccagatcgat gtcaagctct ttaaccgctg gagcttcgac gatattgaga ttactgacat 120
 ttctctggct gattatatcg gagtggcgac atccaagcac gccacgatg tgcctcacac 180
 cgccggcagg tactcgggtga agcgggtcag gaaggcgcaa tgccccattg ttgagaggct 240

gaccaactct ctcatgatgc acggtagaaa caatggcaag

280

<210> 48322
<211> 114
<212> DNA
<213> Glycine max

<223> Clone ID: 701036995H1

<400> 48322

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tataattgta tctgggtgaag tgaaaaatta atgtgcatga gttgattatt ttaa 114

<210> 48323
<211> 286
<212> DNA
<213> Glycine max

<223> Clone ID: 701036996H1

<400> 48323

cccaaacaaa ccatggacgt gggtcagatg cagagacagt ggatcgagta caccaaattcc 60

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aacaaccctg actttgtggt cgaagttgtc tctctcttct ttgaagattc tgaaaggctt 180

ctcaaagatc tcacctttgc cctagatcag aatggcgttg acttcaaaaa agttgatgct 240

catgtgcacc agttaaaggg tagcagttca agcataggtg cacaaa 286

<210> 48324
<211> 136
<212> DNA
<213> Glycine max

<223> Clone ID: 701037002H1

<400> 48324

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cccgaccggt tcgaccgga agcatatggc gggaactata acggttttgc tgcggatatt 120

tggagtttgg gtttaa 136

<210> 48325
 <211> 164
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037004H1

 <400> 48325

 cgcacgcacg cgtagaattc cgctcgaggc cccactcaac taccacacct ctccctcggtc 60
 acgctacccc tttctgctct tcttctacct ttcaagtttt aaaagtataa agatggcaga 120
 gacattccta ttacctcag agtcggtgaa cgagggacac cctg 164

<210> 48326
 <211> 267
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037007H1

 <400> 48326

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 gttccctctc taataactct agtagtagcc acggcaattc ctccctccag atgcccccca 120
 tcaagtttac caagctcttc atcaatggag atttcggtga ttccttatct ggaaggacat 180
 ttgagactat agaccccaga acagaagagg taattgcaca gagttagtgc gggagacaaa 240
 gaagatattg atattgctgt taaagca 267

<210> 48327
 <211> 265
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037008H1

 <400> 48327

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 gattctcttg tctccaccaa acaaaccct ccctccttag ccgttaagtt agatgaagat 120
 ttgcagagag cgagatgcat catcggtgac ggtgacgct ctccgctcct ccctggccat 180
 gcacaaggac ggatgttcaa ctcaaggta aagaggaata caacagttac agggatagaa 240
 ctgccctgct attcctgctt tttcc 265

<210> 48328
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037009H1

<400> 48328

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 tttatcttat taacgacatt acctttgaat gcacggtaga gaccaattta aattatttta 120
 aatagataaa tgattatatt ttactcaaaa aggtgatcaa attgaagttt ttaaaaagaa 180
 gataaagaac taaaacaata atttgatctt aatttaatta tattttatta cttattttatt 240
 ttgataattt ttagcgggta gaa 263

<210> 48329
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037010H1

<400> 48329

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 gtgaatgttt acaaaagggg tgagaagtgg atattttatg aattctacaa aatttagatg 120
 ctatttttca tctcttggtt tttggagtta ttgatgtact ttaaattcga tcacactttt 180
 ggctaaaaaa taaagaagaa aagatgataa cacacttcct tgtgttgtgt attctgtgcc 240
 catcagtgga gctttttaaatt tt 262

<210> 48330
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037011H1

<400> 48330

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 acaactcaca gactccaacg atgccgtttc aacagacttc gagcagcgtt cttctttctt 120

cggtccccacc gaaaccgcct ccatccgcgc cctcctcccc cgtgacctcg accaacgcgc 180
 cacaacgttc gaggtgctga cgtcatatcgt ctggcgctgc cgcacgacag cgcttcacat 240
 ccctccaaat gaagatgtga gaat 264

<210> 48331
 <211> 158
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037012H1
 <400> 48331

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 atagtacgtt aagcgtccat tgatgtagct ttgattaatt tagtgtatgt ttgatacaag 120
 atatttaatt tagagaatta atagttttat ttttatcg 158

<210> 48332
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037013H1
 <400> 48332

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 aattgtcttc tctgctgctg caaccctttc cctcgggtct cggttattat tccctccact 120
 tagtttttct cacacttacc ctacgaaatt tcatcgaaat cgggtggcatc caagtctctc 180
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 gggttcgctg tcaacgggac c 261

<210> 48333
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037014H1
 <400> 48333

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tgaccgatcg aagcttggtt ccaattgttt gttccgtatg ggaggggctg ccattctgct 120
 ttcaaacaaa ggctctgata ggcgaagatc aaaataccag ctgggtgaca ccgttcgcac 180
 taataagggt tctgatgaca agtgctttgg ctgcgttgtc caagaggaag attccaatgg 240
 caagattggt gtcactttgt ca 262

<210> 48334
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037015H1

<400> 48334

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 aaaaatgagt gtatcattga ctgtgatgac cttcaatctc catgatgatg agccacaaga 120
 cagtcctaatt tcgtgggcga agagcgggat atgtgcataa gcgttattac cagttactca 180
 cccatcatcc tctgtaccca acaaggcgtg aaagcacaat tggattttct ccagcagggt 240
 ttgccagggt atgatcaatt tgggat 266

<210> 48335
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037016H1

<400> 48335

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 gggaagaatc tgggtggtgct gctgtgcagg ttgtttctgg tggaactctt tttgcgttat 120
 gatacgtttg agtttgagta tacgcggctg ggtttggtcc tactattacc attaagtccc 180
 tcactaaggc ctctaccatc tgagtttggg gtttattatc ttccttggtg cagcgtggtt 240
 ttagcttaat ttttaacaaa atgtat 266

<210> 48336
 <211> 135
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037018H1

<400> 48336

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tgggctcttc gaattcgggtt cccgatttcc gacgagttct atcattcact tcaatcttcg 120
gaaatgcctc tcaga 135

<210> 48337

<211> 146

<212> DNA

<213> Glycine max

<223> Clone ID: 701037019H1

<400> 48337

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gttttggttt gtggatctat tggtgtcgct gcgatggatc gcaagagggg aaggcatgaa 120
gctgccttca atttcaatgg cggcgc 146

<210> 48338

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701037020H1

<400> 48338

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atcgtgatgg caccaaaggc agagaagaag ccagcagaga agaagccgcg ggaggagaag 120
aaatcgacgg tgggagacaa ggctccggcg gagaagaagc caaaggccgg aaagaagctt 180
ccgaaggagg gaggcgccgg cggagaaggg aagaagaaga agagaaacaa gaagagcgtg 240
gagacataca agatctacat cttc 264

<210> 48339

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701037021H1

<400> 48339

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 cgtccgaaac gttcgttttg gcaaaatctg aatcattgga attttgaagc gactcgattc 120
 gatgcgagggc cacgattgga tcaaacgctg ctccccgacg agttactcat tgagatcttc 180
 cgccgcctgg actctaagtc caaccgacg gccagctccc tcgtctgcac gcggtggctc 240
 cgccctcgagc gctcacacg cgccg 265

<210> 48340

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701037022H1

<400> 48340

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 tcagacccaa gaggagcttc ttgcgcaaca cctcgacag caaaagatcc atgatgggtga 120
 acctgttgtc gaggatgatg atgatgagga agaggatgat gatgatgatg atgatgagga 180
 tgatgaccat gccgaaggac tagaagggtga tgcattctgg aggtcgaagc agaccagaag 240
 tgaaaagaag agtcgcaagg caa 263

<210> 48341

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701037024H1

<400> 48341

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 cctacaatga tgagaggaca tttaaagacc agaaaccaca agaagacaaa gaggaatcat 120
 cctcaggaca ttcaaaatgc attcctcgat caattaaggc ttcattgacc aagcatcccc 180
 gaagtgaatc catgagatct cctgtctctg acgtaccaca gaactcatca gatagaattg 240
 atggctcagg catatcccct gtaa 264

<210> 48342
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037025H1

<400> 48342

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 gattatcctc ttcagccgcc atggaatcgg aggctgtctt gaacctcttc gattcttgct 120
 ggtttgaggt taacattttg aagacaaatt caagtcctca catatcaatt acaagttata 180
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 tgatccgaac cagccacacc a 261

<210> 48343
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037026H1

<400> 48343

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 ttgttttctt attcttgga attcttaact gtgaagcaca atatttcaat gcccaaccat 120
 acgactatctt acaactagcc ttaaggtggc ctaattccta ttgcttgaca catgaagggtg 180
 gttgcagggc aatagtacca caatatttca ctattagcta ccttcacccc atgagaagcg 240
 gaggccctga tctgcgacat t 261

<210> 48344
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036991H1

<400> 48344

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 atcgccaccg tcgcccgcag taaaaccagc cgctccactc cctccccggc ggtggtacta 120
 gcaactctcc ctcgcccggga actaaccaag actaaggaag tagagtgaga acccgcggaag 180

actcttagct tcactttctt cagctcacag ttctatcac ttgccgaatc caatccaaca 240
gagtcctgga aacagtggca tcagctttcg ccccatgggt gtt 283

<210> 48345
<211> 290
<212> DNA
<213> Glycine max

<223> Clone ID: 701036964H1

<400> 48345

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atagcaccgc caccgtcacc actgccactg ccactagcaa cagcagaatg ggaaccttgg 120
gcagagtttt ctacgccgtc ggatttttga tccgcgagac cggccaagcc atcgatcgcc 180
tcggctctcg tctccaaggc aactacctct ttcaagaaca gctgtctagg catcgacctc 240
tgatgaatct gttcgacaaa gctccctcgg ttcacaggga tgcattgtgg 290

<210> 48346
<211> 147
<212> DNA
<213> Glycine max

<223> Clone ID: 701036965H1

<400> 48346

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atttacaag aaattcaaaa gcaaagcaag aatcatgaat tccaatattt gcaattggaa 120
acaaaatcag gttcttccca cagagga 147

<210> 48347
<211> 292
<212> DNA
<213> Glycine max

<223> Clone ID: 701036966H1

<400> 48347

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tgcacattgc tgaaactggc atcgctcgcc atttgcgcaa agatcccaac aacaacacca 120

ttcgaaagtt gaaactgaaa aacaccaatc cctcctcgta cgagggttcc ttgttccgtc 180
 atcaattctc gtgtttaagg acacagtttg cttgatacgt tttcaagttt tcattctccat 240
 gttttgattt tgaagaataa ggagtatgca attgactact acagatgtgg tt 292

<210> 48348
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036967H1

<400> 48348

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 tgagaagcca ccagtgtaca agcctccagt gtacaagcca ccagtataca aaccaccagt 120
 ttataagcct ccagttgaga aacctcctat ttacaagcca ccagtttaca agcctcctat 180
 agagaagcca ccagtgtaca agccaccagt gtacaaacca ccagtgtaca aaccaccggt 240
 gtacaagccc cctgttaaga aacctcctat ttacaaacca ccttacccaa 290

<210> 48349
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036968H1

<400> 48349

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 gagatttggc ttttcgcgtg cgttgtcgaa gagagagaaa ccaaaaaatg aatgggattg 180
 gtaacgacgg aggaggagga ttgagcaacg tggagatgga gtacataaga agacaccaca 240
 ggcacgatcc tggtgagaat cagtgtggct ctgcgctcgt taag 284

<210> 48350
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036969H1

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 ttactggaca gagaaaagac cagtctcctg gtactaggtc tgaaatccct attgtccagg 180
 ttgatcccggt ttttgaggga ctggatgggtg gaattggcag cctgggtgaag tggaacccgg 240
 ttgcaaattgt taatggtcta gacatatgga acttccttag gacc 284

<210> 48351
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036970H1

<400> 48351
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 cacatctgaa tctgtaaacg agggtcaccc cgacaagctg tgcgaccaga tctctgatgc 180
 agtacttgat gcgtgccttg aacaggaccc tgacagcaag gttgcctgtg agacatgcac 240
 taagaccaac atgggtcatgg tcttcggaga gatcacaacc aaggc 285

<210> 48352
 <211> 286
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036971H1

<400> 48352
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 ctcgttgaac aagtctcaac taagaacaga tggaggccat ctacttggcc acaatatgac 120
 ttctggcagt acttcaatac taggaggact cccaatacat ggtgggatga gtactctttt 180
 gaggtcaaatt ctgattacca gttctgggtc aaaatcttcc caagcatcca cagctgattt 240
 ttctggagta ggagttggaa ttggacctca aaattgtgat tcttca 286

<210> 48353
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036972H1

<400> 48353

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 cgcagcagca acaaccctac gtcatgatgc cgccgcagca tcaggcgccg cagcctatgt 180
 gggcccccac cgcccagcct ccgctgccgc agcagcctgc tagcgccgac gaggtccgaa 240
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<210> 48354
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036973H1

<400> 48354

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 tttctactcc tgaggtttga tgctcattag tcggtattta tttcgtttag gtattatatt 180
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 ccatcgactg ggtccaagag gcacttgaat atcaagttac at 282

<210> 48355
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036974H1

<400> 48355

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 gatcggtgga tcaggaatgg acctgaggag caaagcaagg actctcccag gaccagttag 180

cgacccttca aagcttccca agtggaacta tgatggttcc agcacaggcc aagctcctgg 240
agaagacagt gaagtgatta tatacccaca agccattttc ag 282

<210> 48356
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701036976H1

<400> 48356

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gcaacggctg cggaggctgc aagatgtacc cagacttgag ctacaccgag tcaaccacca 180
ccgagacctt ggtcatggga gtggcaccag ttaaggctca attcgagagt gctgaaatgg 240
gtgttcccg c tgagaacgat ggctgcaa at gtggagcta 279

<210> 48357
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701036978H1

<400> 48357

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agaccaattc ctgctcttga caacttttcc acgcacacct tcatctccca atcctccacc 120
acaaacatga agactcgtac ctcgacaaa atctctgcaa cgtggattcc aattttctct 180
gtcttttctt tcatatttgg tatgctcgtc acaagcagga tgtgggaccc accggaatca 240
aacgggttgc ttactgcgca catcagcggg accaacaaca gctac 285

<210> 48358
<211> 143
<212> DNA
<213> Glycine max

<223> Clone ID: 701036979H1

<400> 48358

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 gggagtagca gcgagagact acccgtaggt gtggttcttg cacgggcaag actccttcag 120
 aggttgagag gggaacctct atc 143

<210> 48359
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036980H1

<400> 48359

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 ttattccaag ttccccgctg acctatgctc tgtccgaccc acattggaga gttcacgccg 180
 gagagaaggc ggaatctcac tggacggccg tgatttgga cctccatggc ttccgccgctc 240
 cttgctaate ggaacgaacc taattggcaa cggcatagag gcggtgg 287

<210> 48360
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036982H1

<400> 48360

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 gaatatgatc tctaggcctt cagttagcta tgatgatatg tgggcaaaaa cacttctaga 180
 atcttctgag ctagaggaag atgatgcaaa gtcattggga tcatcatctc cagattcaac 240
 aggatcagtt gcaacttcga tatcatccca ctttgaggga atga 284

<210> 48361
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036983H1

<400> 48361

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ctatctcccc aagatgtcga gcgccgatcc cgagcacaga gaagaggagg aggcacccgc 120
cgttggcgac gacgaggaca ccggagctca cgtcgctcca atcgtcaagc tcgaggaggt 180
tgctgtcacc accggcgagg aggacgaaga tgcaatcctg gatctcaa at cgaagcttta 240
ccggttcgac aaggacggga accagtggaa ggagcgtggc gccggca 287

<210> 48362

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701036984H1

<400> 48362

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ttagaggctg ttccctttga cttgtgccat tccttctctc aataaacttc tattgatgcc 180
ccgctccacg ttccattctt cagtatcctt tgtagtttga accttctca cactcccact 240
tcagaaacca atcaaagaga gagagagaga gagatgggta gagc 284

<210> 48363

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 701036985H1

<400> 48363

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atgaagggat accctcatcc ttcatcagc agcaaagggg ctttcgaatg gaccatcaac 120
aagatcggtc gcaacaacgt ctctgccttc aaccttcttt ttcttcacgt tcaagtcacc 180
gatgaagatg gttttaatga catggatagt atctacgc at cgctgacga ttttaagaac 240
atgaatcaga gagatagaat tagaggggtt catctgatgg aa 282

<210> 48364
 <211> 138
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701036986H1

 <400> 48364

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 tacaagattt gtatagtc 138

<210> 48365
 <211> 281
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701036987H1

 <400> 48365

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 gtgctcctat ttggaacaac aactcctctt taaccggttg agctagaggt ccaattctgc 180
 tggaggatta tcatcttggtg gagaagcttg caaatTTTga tagggaacgt atcccagaac 240
 gtgttgcca tgccaggggc gctagtgcaa agggtttctt t 281

<210> 48366
 <211> 279
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701036989H1

 <400> 48366

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 tatggctcaa cctcaacaa gaataggcct tgcacctctg gctgttatgg gccaaaatct 120
 agcactcaat attgctgaga aaggctttcc catttctggt tataaccgaa ccacttccaa 180
 ggttgatgag actgtagaac gagcaaaaca agaaggaaat cttccagttt atggctacca 240
 tgaccccgaa gcttttggtc attccattca aacgcctag 279

<210> 48367
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036990H1

<400> 48367

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 agagccaaga cgacggcaag gactaccagg agccggcgcc ggcgccactg gttgaccga 180
 cggagtttac gtcattgtcc ttttacagag cagggatagc agagtttgtg gccacttttc 240
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<210> 48368
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036963H1

<400> 48368

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 caccagtgtg caagccacca gttgagaagc caccagtgtg ggaaggaaac ggcggtgata 120
 cgccaaccgc ctcacgcgcc gtccaagacc tgccggcgtc gctggacgtc ggtgcgtcgg 180
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 gaatcgacag cgagatactc tcacggtagg atctctct 278

<210> 48369
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036937H1

<400> 48369

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 ttctacccta aaccattgaa tcgatctaaa tctctcccaa atcgcaaacc ccttttgctc 120

aattcagtca attctctccc taagttccgc tgcggcgctc taggttttgg agcatacgac 180
 aaaaacttgg gtgagggaga acgtttccag cttgggacgg tgggcgcgtt gactctttct 240
 gtggtctcat ctgtgtccat tgtgatttgc aataaggcgc tgatgag 287

<210> 48370
 <211> 289
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036938H1

<400> 48370

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 ggggcacgtc acccatctcg ccttcccct cgctcatctc aaatccatgc ttcggaatta 180
 gggtttccat tcggatttcg taagtctggt gcccaatttc gtgactccga gcgacgtaaa 240
 acgggaaggg aaagggatga ggatttgggg atcggagatc gtgttcgcc 289

<210> 48371
 <211> 289
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036939H1

<400> 48371

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 ctatatcaga aggaaacgcg aaaaaagaaa aaaaaaaaag aggcagaagg ttctagaagc 180
 cgccaatttt tatttctttt aatttgtctg agtcagagac gttcgtgatt gtaaccatgg 240
 attcttcgtg tgtcccaaac ggcgacgttt ctgggttcaa agataagga 289

<210> 48372
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036940H1

<400> 48372

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acagatgtgg cgttaacgtt ttaccatatg aactgcttat accaagttct gaacgtgggg 120

caacaggacg aggagtgcc aatagtgtta cagcctagtc caatatgtgt acaaaccagc 180

aactgaatca atgttctatt attcttcacc ttagctggac taaaatggat ttaatatattg 240

atctcctaaa aacaagaaag aaaataaaat gcaaaagga ataatgc 287

<210> 48373

<211> 289

<212> DNA

<213> Glycine max

<223> Clone ID: 701036941H1

<400> 48373

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tcaaagccaa aaaatgtcaa ccaccattga tgtcccagaa tcaagcaatg ttgctaaaga 120

aaaagtagtt ttagctgcac cctcaaggtc tggagggtgg aagaaagggg tagcaataat 180

ggactttatt ctaaggttag gtgccatagc agctgctctt ggtgctgctg ccacaatggg 240

aaccagtgat caaacactcc ctttctttac tcagttcttt cagtttgaa 289

<210> 48374

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 701036942H1

<400> 48374

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cagctatttg ccacatggac acctctaagt gggaccgaga ccacgtgtcc tttcgtgtgc 120

tcaaagttga gccgggaacc tcacctgtgt gtcatttctt ccctcctgat aatctagtct 180

gggtgccttt gcctctggct ccataactat agtctatagt ttcattgtct tcttcatcaa 240

agtttggtat atatatatat atgtgccagg tataacataa gtt 283

<210> 48375
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036943H1

<400> 48375

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 caccatggct gaacaaaccg agaaagcttt tctgaagcaa ccaaaagtgt ttctcagcac 120
 aaagaagact gggaagggaa agagacctgg aaaaggtggg aaccgctttt ggaagtccat 180
 tgggctttca tttaagactc ccagggaagc catcgaagga acctatattg acaagaagtg 240
 ccccttcact ggcaatgtct ccatccgtgg ccgtatcttg gctg 284

<210> 48376
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036944H1

<400> 48376

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 tggctagctt tgaccaaagg actgcaaattg aaacactgaa gcagattagg cagcactctt 180
 caccttttgg cgatggactt cagcgttttg ctcattactt cgccgatggc ctcgagaaac 240
 ggtagctgc tgggacacca aagttcattt cctttcagtc agca 284

<210> 48377
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036945H1

<400> 48377

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 aaggaagttg gtcaggacag aggagctctc gttgagttct atgctccttg gtgtggacac 180

tgcaaaaagc ttgctccaga atatgaaaag cttggttagca gcttcaagaa agccaaatct 240
gttttaattg gcaagggttga ctgtgatgag cataagagtt tgtgc 285

<210> 48378
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701036946H1

<400> 48378

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actatgactt atgttaaata tgttaaactg aaaaccatgt gaatggagag atctacagta 180
acatattctt ttttatgctt ttatttacta atctcaccaa ttcaactgct ataaactatg 240
acttatgtta aatatgttac actgaaaacc aggtgaatgg agag 284

<210> 48379
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701036947H1

<400> 48379

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cccagattcc ccaactctcg attcctccga gcaggtctac atctcctcac tcgctctcct 180
caagatgctg aagcacggaa gggctgggggt tcccatggaa gtgatgggtt tgatgcttgg 240
agaattcgtg gacgagtaca cgttcgtgt ggttgatgtc ttcgcaatg 289

<210> 48380
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<212> DNA
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<223> Clone ID: 701036948H1

<400> 48380

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cgaccggaag cgggacggcg gcgacaagaa ggagaagaag ttcgagccgt cggctccgcc 180
ggcgcgcggtg gggcggaac agcggaagca gaaagggtccg gaggccgcgg cgcggttgcc 240
gacagtgact ccggtgacga agtgcaaact gcggcttctc aagctgga 288

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<212> DNA
<213> Glycine max

<223> Clone ID: 701036949H1

<400> 48381

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tcagcaacc gccacctccg ttctacggcg tcctcaacc accacccct catccggaga 180
cccacgtgtt ccattccgt cacgtgacac caggacacgt gtcccatgac ttcaacaact 240
actccgtcc cccgcctcca accccttccc accatcatca tgatcgat ca 292

<210> 48382
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<213> Glycine max

<223> Clone ID: 701036950H1

<400> 48382

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gaggtgacca gtgaaaagtt ttggcatcac ccaggatca agtaattgta ttattaccat 180
tagtgtagat gtataatgtt attgataagc tttatggtct ctttgcattt tgaattaaaa 240
aacaaaaaca aaaaaagaaa agaaaaaaaa acaaaaaaag aa 282

<210> 48383
<211> 98

<212> DNA
 <213> Glycine max
 <223> Clone ID: 701036951H1
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 ggtgacaggt catgctgccca tacctctaga agtttagt 98

<210> 48384
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701036952H1
 <400> 48384
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 atctgtcatc cgatttaagc gatggcatga tttggcacia tggactttt ggttcaatgt 240
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<210> 48385
 <211> 302
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701036953H1
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 gcaaaaattc tggcacagaa cgggtgttact gtcacagtgg tcacaacca ccaaaacgca 180
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 ac 302

<210> 48386
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036955H1

<400> 48386

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 tcagcttcag gggcgtggat ctggacgcgc ttctggacat gtccaccgac gaactggtga 180
 agatgttcag tgcgcgtgca cgtagaaggt tccagagagg tctgacgagg aagcccatgg 240
 ccttgattaa gaagctccgc aaagctaaaa gggaagcacc ag 282

<210> 48387
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036958H1

<400> 48387

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 cttcttcttc taccagtggg ccttcgccat cgccgccgca cgaatcacca gcggctccat 180
 cgccgagaga acacagttcg tggtttacct tatctactct tctttcttaa ccggtttcgt 240
 ttaccccatc gtttcgcatt ggttctggtc ctcggacggt tg 282

<210> 48388
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036959H1

<400> 48388

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 aatcccggga tcaaaatctc aacttgaca ctacccaatt tctaattcg aattctcctt 120
 ctgtgtctct gttgtttctt ggtccctgca tcttggtccc ggaagcccc acctcttcca 180

atTTTgCCCC tCCCAacgac tttccagctc caatggcaac ttgacggcat ggcctcttc 240
 ttccacttcg gcaccaacac cttcacagac tcagaatggg gca 283

<210> 48389
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036960H1

<400> 48389

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 accatgctat tcttacataa ctagggttag gagttagggc gttcttatcg ttttcgctcc 180
 gttaattaca acaacggcca acatggttgt tctttcgctt tcacctcca gcctctctac 240
 cgctttcttc gcaaagaaac tgtctcccca agaacacgcg gtgaa 285

<210> 48390
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036962H1

<400> 48390

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 cgtatacata agcattccct ctcgttaatt tcattagcat atcacacaaa tcccactctt 180
 actcctttgc cacgtacgcc accgctgac aattcaggcg atggcgccgc gtctctggctc 240
 ctgcttccgc agcagcagta gcaagggcag caccaccggc ggcggtgt 288

<210> 48391
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036936H1

<400> 48391

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 accaaccaca accacaacca caaccacagc cacaagaaca acacaaccac caccaccgcc 180
 aacaaccaca ccaagagctg gtactcgctc ccagaaacgg aaacgcttat aggtctcgctt 240
 ctcagtttca gtatgttgcg aagaatcgga acgattccga aactcgccgc cgcgcaacca 300
 aggttgagg 309

<210> 48392
 <211> 291
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701036914H1
 <400> 48392

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 agaacatggc aaactttcca gttgttgaca tggggaaact taacaccgaa gagagagcag 120
 cagccatgga gattataaaa gatgcctgtg agaactgggg tttctttgag ttggtgaacc 180
 atgggatatc cattgagttg atggacactg tggagaggct caaaaagag cactacaaga 240
 agactatgga gcaaaggctc aaagaaatgg tggccagcaa agggcttgag t 291

<210> 48393
 <211> 288
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701036915H1
 <400> 48393

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 aagttccatg ccctgagatg aagttatgca caatttcac atgaaatgat ccgagtttcc 120
 ttcacatatt attggtgttc ttattatatt gttatatgtg gtgggtgact tgagttattg 180
 gacatctctg caatttgaag gactctttca tgtgattggg gaaaatatat atgttggcca 240
 ctgttgtttt taagtgtctg tttggtgaaa gttggttggt gttgttag 288

<210> 48394
 <211> 299
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701036917H1

 <400> 48394

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 ttcccgtcgc aattccccga atcaggaacg gcgtcggaaa agagcagttt cgccgcggat 180
 cgtctcatcg cagcgggaacc gattgggtcct cgctgttggt gtcgctggaa gatagtaaac 240
 agagcgattt agcgcaagat tcggggaaga agatgaagca ggccaatctg ttccagatt 299

<210> 48395
 <211> 292
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701036918H1

 <400> 48395

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 ctctcttga gattgggaaa ggtaggatat tgattgaagg ggaaagagtg gctctcttgg 120
 gctatggatc agctgttcag aactgtttgg ctgcagcttc cttagtggaa catcatggtt 180
 tgcgtgtaac agttgctgat gcacgtttct gcaaaccact ggatcgttcc ctgattcgca 240
 gcctggcaaa atcacatgag gttttgatta cagttgaaga aggatcaatt gg 292

<210> 48396
 <211> 295
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701036919H1

 <400> 48396

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 ctccgcggcc ggaaattcaa gctcccaccg ggcccactcc ccgtcccaat cttcggcaac 180

tggtccaag tcggcgacga cctcaaccac cgcaacctca cggatttggc caaaaaattc 240
 ggtgacatct tctcctccg catggggcag cgcaacctcg tcgtggtttc ttccc 295

<210> 48397
 <211> 291
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036920H1

<400> 48397

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 gctgcggggt cgggtgttcaa gtccacacc caccaccgca aggggtccggc gaggttccgc 120
 agcctcgact tcggcgagcg caacggctac ctcaaagggg tcgtcaccga tatcatccac 180
 gaccctggtc gcggtgtctc tctagccaag gtggcggttc gccacccctt ccgctacaag 240
 aagcagatgg agctcttcgt cgccgccgag gtcctctaca ccggccagtt c 291

<210> 48398
 <211> 289
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036921H1

<400> 48398

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 ggtacagaga gaaaaaggaa cataagatgt ctcagaacgg gaagctgatg ccaaacttag 120
 accagcatag caccaagctt ctcaatctca ctgttcttca acgaatcgac ccttttgctg 180
 aggaaattct catcaccgct gcgcatgtca cttctacga gttcaacatc gacctcagcc 240
 aatggagccg caaggacgtt gaaggatctc tcttcgttgt caagaggaa 289

<210> 48399
 <211> 289
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036922H1

<400> 48399

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 tagaagatta aatcttaaag cagtaagtca tcatggataa atcagagcag actcaacagc 120
 agcagcaaca acagcatgtg atgggagttg ccgcaggggc tagccaaatg gcctattctt 180
 ctactaccc gactgcttcc atggtgggtt ctggcacgcc cgctgtaact gtccttccc 240
 caactcaggc tccagctgcc ttctctagtt ctgctcacca gcttgcata 289

<210> 48400
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036923H1

<400> 48400

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 ttcaatgcgg ggtttcctac gacacgatca ccgtcctcaa cgcgttcctt caccgcccac 180
 aagcctttac tgagggtctt ctttatcatg gaaatgacac cttatttgag tcaactggcc 240
 tttatgggga gtcacccgtc cgtaaagttg ctcttcgtac tgggaagggtt 290

<210> 48401
 <211> 288
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701036924H1

<400> 48401

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 tagttgaatc tttaaact tggatattgg aggcacatctgg acttccaata attcaaata 180
 tggaatgcat tagaaggcag ctaatgactt ggtttaatga gcgccgggag accagtatgc 240
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<210> 48402
 <211> 284

<212> DNA
 <213> Glycine max
 <223> Clone ID: 701036925H1
 <400> 48402

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 ttctatctaa aggggcgaaa gagtagatta taagggggta agtgagaaag agagtaaaaa 120
 caaaattaaa acatgactat ggaagagcgg cagggtcgag aacgaggact acacacaaga 180
 tgggtactgtc aacattaaag ggaaacctat tcttagatcc aaaagtgggtg gttggaaagc 240
 ttgctccttt gttgttgtat atgaggtatt cgaaagaatg gctt 284

<210> 48403
 <211> 283
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701036926H1
 <400> 48403

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 attttgttgt gcatgctttt tgggtgatgta tggaacctga aagagagttc aagacttatt 120
 agtggaagag tttcttttcta ttgaggaaag gtatttattg ctctctactt aggtaacata 180
 agccaacaat tttagtagta attaattggct ggagaattgg gagttttgaa tgcacttgat 240
 gtggcaaaga cacaatggta ccacttcact gctattgtga tcg 283

<210> 48404
 <211> 288
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701036927H1
 <400> 48404

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 tacgacagta gcggaactga tgatgacctt ccaccaaccc atcaaaatag aatttccagg 120
 ggaggaggag gacgtctcgc tgggaatggg agatctgctg ttggttcaat tccttaccca 180
 aggatgtacg gtgaaattga tatggagacc caaattcatc agcttgagca agaagcatac 240

agttcagttc taagagcctt taaagctcaa gccgatgccca ttacttgg 288

<210> 48405
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701036928H1

<400> 48405

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gacaacgtaa aagctaagat tcaagacaag gaagggatcc cacctgacca gcagagactt 180
atctttgcgg gtaaacaact tgaggatggt cgcacccttg ccgattacaa catccaaaag 240
gaatcaaccc tccatctcgt gcttcgcctc aggggtggca tgc 283

<210> 48406
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701036929H1

<400> 48406

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ggaagcagaa gagtagaagg aagacatttc tctgcttcta cggacctctt tcccttcact 120
tccttccttt tctttttctca atttcctgta tcatcacaat tttcttcact cctcaatttc 180
aataatcctc catgaacccc ctctagcccc tctctcctt ccttctcttc aacaagaaac 240
tgactgaata tggagaaaca ttctgggaat tcttcatcag ctcatgctg 289

<210> 48407
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701036930H1

<400> 48407

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tcaccgacga ccagatcgcc gagttcaagg aggccttcag cctcttcgac aaggacggcg 120
atgggtgtat tactactaag gaacttgga ctgtgatgc gtcactaggg caaaacccaa 180
ctgaggcaga actgcaggat atgattaatg aggttgatgc tgatggcaat ggaaccatcg 240
acttcccaga gttcctcaac ctgatggctc gcaagatgaa aga 283

<210> 48408
<211> 293
<212> DNA
<213> Glycine max

<223> Clone ID: 701036931H1

<400> 48408

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aagaatcagt gcatcgtgtt ttttactgt acaagctatt ggtacaaaga aaataaaaca 120
aatatagtag caaaaaaatg agaaagataa agaacaaaaa acttctagtc atagtgtagc 180
tgTtaaaatc gagtttattt ctattacaaa ttgtattctg tcatggcata gggaagaaga 240
aactactagt gacatctatt gtaaactgtg tcaccaagta aaccagtgc ttg 293

<210> 48409
<211> 291
<212> DNA
<213> Glycine max

<223> Clone ID: 701036932H1

<400> 48409

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ttatattatt tacctaaagg atttcagatt ttgagttcat gagagcaatg taaaagtga 120
gttctgaact gttaacaagt ttggaaaact ttgtgcagtg cagtgtgtta agatggaagc 180
tatgttcac ttcagaagca gtcattgaaa ccagaaattg aagatttgaa gtgatttctt 240
cttagaaaatc agaatactag aaaatactag cacagaaata atgtgggatt t 291

<210> 48410
<211> 294
<212> DNA
<213> Glycine max

<223> Clone ID: 701036933H1

<400> 48410

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 aagtcgaaac actcgttcga ttcgctgaac tctgaagtta atttctggtg cgaaaatgtc 120
 ggtggcgaag aagttgatta gatgcgtcat ccttgacttg gacggcacgc tgctcaacac 180
 acttggcatc gtaggcaacg ttttgaaggt tatgttaggt aaatacggaa aggaatggga 240
 cggaagagaa gctcagaaga taattggaac gacgccgttt gaggccgctg ctgc 294

<210> 48411

<211> 295

<212> DNA

<213> Glycine max

<223> Clone ID: 701036934H1

<400> 48411

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 tctctccctt ccaaaaaaaaa gcaccaattt tttcgaacgc caacgcgaat cacgaagagg 120
 gtcaccgaga aaatgggtgt ttgtgggtcg aggcccaaag tgaacgagga cctctcagcg 180
 aagaagaaga acaaccacca ccgaagaaga agaaggagaa tcctcagaag acgcgtctct 240
 tctagaaaga tcgaagctaa caacgtttct cactgtaatt cagctcttca agctt 295

<210> 48412

<211> 289

<212> DNA

<213> Glycine max

<223> Clone ID: 701036935H1

<400> 48412

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 ccactctgaa tcacctatt tattttgggt ctctcatctt tcttcttctt tccaagttgt 120
 ttttgggtgt ggtgttggtg ttgaattgag ttgagaagaa aagaagaggt catagacaca 180
 cacacaagac atgtctgctg ttgagtcagc tgaacacaac aacatcagag gagtaccaac 240
 tcatgggtga cgctatgttc agtacaatat ctatggcaat ctcttcgaa 289

00000000000000000000000000000000

<400> 48413

<210>	48414
<211>	301
<212>	DNA
<213>	Glycine max

<400> 48414

<210>	48415
<211>	297
<212>	DNA
<213>	Glycine max

<400> 48415

19212

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tagcagcaga accagagcca gtggttgata agcaaggga ccctttggag ccaggagtag 180
ggtactacgt gtggccactt tgggctgatg aaggaggcct cacactaggc caaacaagga 240
acaagacatg ccctctttat gttatcogtg acccttcatt cattggcacc ccagttt 297

<210> 48416
<211> 296
<212> DNA
<213> Glycine max

<223> Clone ID: 701036903H1

<400> 48416

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ctcttagaga agctatctca cgaatcatga ctgattccaa ggaaaagaac aggaaatttg 120
tgagagaccat tgaactccaa attgggctga aaaactatga tccccagaag gacaagcggt 180
ttactggctc tgtaagtgtg cctcacattc ctgcgccaa gatgaagatt tgtatgcttg 240
gagatgcccc acacgttgaa gaggctgaga agataggatt ggactacatg gatgtc 296

<210> 48417
<211> 286
<212> DNA
<213> Glycine max

<223> Clone ID: 701036904H1

<400> 48417

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agagatgaaa ccagaaacat ctctgaactt tactttgatg ctgactttct tactttatct 120
gaacttggtt atgggagtgc tgagcggtga tcattatcgc agagttgact ttcttgatga 180
attcgttttt ggttcaggca cctctgctta tcagggtgaa ggagcttcta acgaagatgg 240
gagaactcct agcatctggg atacctttgc ccatgcggtg tatgag 286

<210> 48418
<211> 293
<212> DNA
<213> Glycine max

<223> Clone ID: 701036905H1

<400> 48418

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 ttggcaaaac ggcgcagaga caaatcgcca gaaggcattg aattggagga gaatccccgag 180
 gtgttcaaaa gttctttgct gaaggactcc aaagaacaca tcatcagtac gtactttcct 240
 gatgtgcgca cacttttcga tgctttccaa cgcggtctca aagctgccga aca 293

<210> 48419

<211> 286

<212> DNA

<213> Glycine max

<223> Clone ID: 701036906H1

<400> 48419

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 atcaacaggg acatatttgc tactgaagag atgtctcctg cttccaaatc taagtctaaa 180
 gacaaaaatg ctggcaagga agctcaaaag tcttctgcca agtcttcagg atctggtaat 240
 gccgtggctg gtgtaccagc tagtgcatac aatcctttat cgggaa 286

<210> 48420

<211> 289

<212> DNA

<213> Glycine max

<223> Clone ID: 701036907H1

<400> 48420

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 gagcaagatt ctgttcatcg gagggactgg ttacatcgga aaattcatcg tggaagccag 120
 cgccaaagct ggccacccaa ctttctttt ggtgagggag tccactctct ccaaccccg 180
 aaaatcatcc ctcatcgaca atttcaaagg cctcgggtgc aatcttgttt tcggagatct 240
 atacgatcac caaagtttgg tgagtgtat aaagcaggtc gatgtggtg 289

002220.ET.65

<210> 48421
<211> 105
<212> DNA
<213> Glycine max

<223> Clone ID: 701036908H1

<400> 48421

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caacttaaaa ttattatgga tcacattcat gggttacgtt gtttt 105

<210> 48422
<211> 288
<212> DNA
<213> Glycine max

<223> Clone ID: 701036909H1

<400> 48422

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agtaagatat atcatcaaaa atgggttttgt cttggactag aagaaacgtt ttccgcctg 120

caaagaagga gaaggaacaa agtcaactat tagaagttga ggttggtgatt cccaaacact 180

ttcgctgtcc ggtgagtttg gagctgatga cagatccggt gactttatca accggcatta 240

cctacgaccg tgtgagcatc gagaagtgga tcgagggaga taacagaa 288

<210> 48423
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<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701036910H1

<400> 48423

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<210> 48424

<211> 288
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701036911H1

 <400> 48424

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 aagaacttcg cctacttccg cgtcaattac ctaaccctaa tcgtgttggtc gctcgcggtc 180
 tcgctcatca cgcacccgtt ctcgctattc gtctctctcg gtctcctcgc gtcgtgggtc 240
 ttcctttatc tctttcgccc ttcggatcag cctgtcgtcc tcttcgga 288

<210> 48425
 <211> 287
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701036912H1

 <400> 48425

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 ccagcatttc ttgaatggat acctctccga aaatacgttt gtgtggtctg aaggaagtag 180
 tgagtggcag cccttgtcct cggtttctga cctgtgggct caaattaacc ggcagggacc 240
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<210> 48426
 <211> 249
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700967070H1

 <400> 48426

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 actcgaccaa cagcaaccca tccccgaacc aaccctagaa gactccaaca ccatggccat 180

cgacgaacca aaacatgaac aagaagcaga accgcaaaac gccgagagcg aacaagaggt 240
agaggaaga 249

<210> 48427
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700967071H1

<400> 48427

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ttccacctcg gataaaattg ctgttagaat tggtagagaga cttctgcaaa acaggtttct 120
ttattgcaac ggtcaattat ttgatatacg ctgtgctgca aatgttatta acaccatggg 180
tcagcatgct ctgggaactg taagggaaat agtcaataag attcgtcaaa ctattggtta 240
cattaata 247

<210> 48428
<211> 72
<212> DNA
<213> Glycine max

<223> Clone ID: 700967072H1

<400> 48428

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ttctacagtg ga 72

<210> 48429
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700967074H1

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ggtaccatcg ttgaagcaga taacacatat accaagatcc taggaagatg gccagtcttt 180

tattatggca tgggacacat gctcaatgac ataactgctg cttgttggtt cacatattta 240
 ttattggt 248

<210> 48430
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967076H1

<400> 48430

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 ccagaaggaa gctgacatcc agatgatggt ggccgccgac gtccacctcg gcaccaagaa 180
 ctgcgacttc caaatggaac gttacatctt caagcgccgc gccgacggga ttacattat 240
 taaccttggg 250

<210> 48431
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967077H1

<400> 48431

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 attagaatcg gataccctta aagaagcgga gataggagtg tgcgcctcca aaccaaggg 180
 gcttcggagg ggctcttcat cggaggcgggt gctatattcc cctccggatt cccccaccat 240
 gaagagcct 249

<210> 48432
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967079H1

<400> 48432

002220"CTT360

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agatctctca tcttttcatt ctgaaatcca tttggagccg cactcaggaa tcagctacag 180
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gttttgatga 250

<210> 48433
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700967080H1

<400> 48433

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cactcaagct tctaggattt ctgccagcta catgaaaatg ggaagcaact tgagggtttt 120
gagtctttgc ctcttggcat tgattgcac aactcatgcc caacttcagc ttgggttttta 180
tgcccagagc tgcccaaaag ctgagaaaat cattttgaaa tttgttcatg agcatatcca 240
caatgctcca tcactag 257

<210> 48434
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700967081H1

<400> 48434

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acactcttca atctctctct attttttcaa tttcatggca ttgggtagaa acaagactgt 120
ccaattagca ttgcttctcc tctgtttgga tctgggaata gcgcatcagc atcagggtca 180
ctccccctcc cattctgggt tctgtgcttc cgatgcccat aatcactgcg gtgatgacca 240
tcatcatga 249

<210> 48435
<211> 247
<212> DNA

<213> Glycine max

<223> Clone ID: 700967082H1

<400> 48435

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 cctcggttac atggagaagg atgaggtgcg ccgccacgac tccttccacg ccttcgagga 120
 gaattgcgcc gtcgccgagc gccaccgcgt cgacttcgtc ctctcggcg gcgacctctt 180
 ccacgagaac aagccctcac gctccacgct cgtcaaggcc atcgagattc tccggcgcta 240
 ctgcttc 247

<210> 48436

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700967085H1

<400> 48436

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 agtcatgggc ctgctatctt gtttttaggtc taccgtcctg agaaaatggt ccaaaggaag 120
 ctctggcatg tcaagattcc tgtatacgaa caattttcaa cgaaacttga tttcgtctgg 180
 tggcaatgaa tcgtattatg ggtattttaa caggagatca tacacttcac tttatatggg 240
 aactgg 246

<210> 48437

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700967086H1

<400> 48437

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 gtaactaact tgttccctcg ttaaccctaa tcatcaactc aagcagtga tgaatctgtg 120
 gacggacgag aactcctcgg tgatggaggc cttcatgtcg tctccgac tctcctcaat 180
 ctggccctcg acggcaccgc cgcaatccac ggcggtcttg aatcaggaca ccctcgatga 240

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241

<210> 48438
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967087H1

<400> 48438

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 tcatgatata ttgaatttga ctgatgcacc tatcaatgag ggccagacgg gatgctcacc 120
 acatggaaat gttgatcgag agagtcaaga gagacagaaa tatatggtga gaaaggctga 180
 taagacctca tggaagagga aacgaagtat ggaaaacgct ggaagaagac taggtgtgac 240
 ct 242

<210> 48439
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967088H1

<400> 48439

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 cttgttgcca tcttggtttt gacatcctct cttgtctctg cctctgaccc tagtcctctt 120
 caagatTTTT gtgtggcagc caaagaaaaa gatggtgtat ttgtgaacgg aaaattttgc 180
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 gacaac 246

<210> 48440
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967091H1

<400> 48440

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ctccctccgc cacctctcca tcgccgcctc gcgtcgctc ctctctctg cactccccgt 120
 cgctccccgc cctatccgc cctcacgc ccgcttcgcc gtcgtccggt gcctctgcaa 180
 ccgccccgga gactcggcgt actcgccct gaacacggga aagcccacct ccatcttgct 240
 gtcgatca 248

<210> 48441
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967092H1

<400> 48441

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 ttcaatgcct tttttagctt ctctttgtct ctgtctctgt ctcaccacag acgcacgtt 180
 atctacaaga aaccattccc ctctagacgg acgtggcttt atggatatat gaatagagat 240
 cgagat 246

<210> 48442
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967093H1

<400> 48442

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 gtgggtgatg ttgcctacgc tcaagattca gcagaagact acgtgaatgc acacaatgca 180
 gcacgagcag aggtgggttc tcaatcacca agacaaacag tgattgttcc aagtttggct 240
 tgggatgat 249

<210> 48443
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967094H1

<400> 48443

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 cccatttcgc tagatatcat gaaggatcca gtgacgggtc caacgggcat cacctacgac 180
 cgtgaaagca tcgaaacctg gctgttctcg aagaaaaaca cgacatgccc cattaccaaa 240
 ctgcccttg 249

<210> 48444

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700967095H1

<400> 48444

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 tggcggttc atcgggtcgc acctctgcga taagctcatg tccgaaacct ctcacaccgt 180
 cctcgccctc gacgtctaca ggcacaagat caaacacctc ctggatcccg ccgattcccc 240
 cctc 244

<210> 48445

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700967069H1

<400> 48445

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 ctgaataaaa atctgagtgc ctatggcgat gcaaactgtt tatcttagga agcatgaagg 180
 aaatgcacac aattttgtgg gcacgtgtgc gtctgcagct tcagcaccct ggtggagtgc 240
 tttt 244

<210> 48446
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700967040H1

 <400> 48446

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 cagtggcgca gatgggcagc aacacgagcg agagcgacgc ggaggagctg gtgatgcggt 120
 gcctctcgtg cgaggaggag tacgacgtgg acgactcggg aacctgcagg gagtgcctacc 180
 aggaggccaa cgaggccgag gaggagctcc gccacgagat cgaggagctc aaatccaaag 240
 tctccttctt ca 252

<210> 48447
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700967041H1

 <400> 48447

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 tggctccgcc gcgcaagggtg gcattgataa ccggaattac cggacaagac ggttcgtacc 120
 tgacggaatt cctcctggac aaggggtacg aggtgcacgg cctgatccgc cgctcgtcga 180
 acttcaacac gcagcgcacg gaccacatat acgtggatcc ccacaacgcc cacaaggccc 240
 gcatgaagct c 251

<210> 48448
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700967042H1

 <400> 48448

 cggggctacc cgctgagttt aagcatatca ataagcggag gaaaagaaac taacaaggat 60
 tcccttagta acggcgagcg aaccgggaaa agcccaccat gaaaatcggg cgccctcggc 120

gtccgaattg tagtctggag aagcgtcctc agtggcggac egggcccaag tcccctggaa 180
 gggggcgcca gagaggggtga gagccccgtc gtgcccggac cctgtcgcac cacgaggcgc 240
 tgtcggcgag tcgg 254

<210> 48449
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967043H1

<400> 48449

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 ggtcattggc catgtcgact ctgggaagtc aaccaccacc ggtcacctta tctacaagct 120
 cggaggtatt gacaagcgtg tcatcgagag attcgagaag gaagctgctg agatgaataa 180
 gaggtctttc aagtatgcct ggggtgcttga caagctcaag gctgagcgtg acagaggaat 240
 caccattgat attg 254

<210> 48450
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967044H1

<400> 48450

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 agactgagat gggttcaaaa accaagactt ttacctttga ggaggtggct aagcacaatc 120
 acaggaagga ttgctggatt atagtcaaag ggaaggtgta tgatgtcacc ccatttttgg 180
 atgatcatcc aggaggtgat gaagttag tgactgcaac agagaaggat gccaccactg 240
 attttgaaga ta 252

<210> 48451
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967045H1

<400> 48451

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ggaattcccc cggatcagca acgtctcatc ttccgccgaa agcagctcga ggacggccgt 120

accctcgccg actacaacat ccagaaggag tcaacccttc accttgtcct tcgtctccgt 180

ggtggcatgc agatcttcgt caagactctc actggcaaaa ccataaccct agaggtcgaa 240

agctctgaca ccattg 256

<210> 48452

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700967046H1

<400> 48452

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tctaattgga atcttcagac gaaatccttc aaatagattt ttatgatacc attgacgaat 120

ctatcatagg gaagggtttt gacgataaaa tccttggctc cctcaaagtt gcatgtgact 180

gtgttaaagg atctttaaag caaaggccaa agatgggtga tatgcacaaa actataagag 240

ccatgtggga aggc 254

<210> 48453

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700967048H1

<400> 48453

atcttcttcc caaccactac tactcactca ctgcagatct caattgcac gctgtccatg 60

gctaccatcg ttagcatcaa ggcccgcag atcttcgaca gtcgtggcaa tccaactgtc 120

gaggtggatt tgacttgctc cgatgggtact ttgcccagag ctgctgttcc aagtgggtgca 180

tccactggga tttatgaggc ccttgaattg agagatggag gatctgacta ccttggaaag 240

ggtgtatcaa aggctgttga c 261

<210> 48454

<211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700967049H1

 <400> 48454

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 tagatgatgg cacgaaggag aagaatgctg aatctagttt caagcgagat accgaatgag 120
 caaagcatag ttggcatatg tatcttctaa ttgcattttt atcttgtctt tgttcatatc 180
 ttgtaataag ctatagtcct tctatgcggg tgatttacat tgcgcagatg tgtaattggc 240
 aggagtttcc at 252

<210> 48455
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700967050H1

 <400> 48455

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 cattccatct tgttgacga accctcacct caatttcacc cttattactg atttcttttc 120
 actaattatg ccgtgcttaa atttgttttc ccaacctgac tgattcttca gttagttttc 180
 gtttcagctc tgcgaatgac ctgggtataa ttttcatggc cataatttat tgtgactatt 240
 attgttttga 250

<210> 48456
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700967051H1

 <400> 48456

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 actctctcat gatgcacgga aggaacaatg gaaagaagct catggctgtc aggattatca 120
 agcatgcaat ggaaattatt cacttgctca ctgacctgaa cccaattcag gtcattgttg 180

atgccgtcat caatagtggc cnccgtaga atgcaactag aattggttct gctggagtgg 240
tgaggagaca ggcc 254

<210> 48457
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700967052H1

<400> 48457

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agaaaagaga atagagaaag aaagaagtga aaatggcatc ccatattcca ttaggatttt 120
attgttgttg ttgttgttat aaaaaagaaa agaaaagtgg cgcacgggtg agtagtgagt 180
agaagcataa taataaccct gttagtgtcg tgcgtgctg ttaggggaga gaaggataag 240
agag 244

<210> 48458
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700967054H1

<400> 48458

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gccaaacctc gctgcaaatt agggtttcgt ttcggatgta gacgaagatg ttcggaagg 120
caccgtagaa aagcgacagc accaggtact acgagatcct cggcgtttcg aagaacgctt 180
cgccggatga tttaaagaag gcttacaaga aagccgccat taagaaccac cctgacaaag 240
gcggtgatcc tg 252

<210> 48459
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700967055H1

<400> 48459

tgggaagatc gtgttgtgtg accgtgggtt gaccgctagg gttcagaaag gctcgggtggt 60
gaaatccgcc ggagcggttg ggatgggtgt gtccaacacc gccgctaacg gcgaggagct 120
agtggcggat gctcatttat taccggccac cgcagttggg cagaaagccg gtgacgctat 180
taagaagtat ttggtttccg atgcgaaacc gacggtgaag attttttttg agggaaccaa 240
ggtgggg 247

<210> 48460
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700967056H1

<400> 48460

cttttccttt ccttcatttg aaattgacct taccaccca gatcccaaat tcccaccttg 60
taaattatcc gccttatttt ccattccaa ggaaagaagc caatccacga ccgatccaat 120
gccgctttga atcgctgcc gtctccttc cgtgggaaca tctttgttgc ttttgaattc 180
gatttttggg gcagttgggc cgatgagtaa catgtcacac tgtttctgaa acacaaaaag 240
acccttttct tt 252

<210> 48461
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700967057H1

<400> 48461

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tttctcgctt ttgcattttc ttgtgaaaaa aaaaatcctc agaacaaaaa taggtcttct 120
tcttctctga tctaccaaag cttcaaattc tccttagttt ggtttgtctg tgagtttggg 180
gtgtaatgtc gccgccgacg ctggtaacgg aggaggaggg gcggacaccg tggcgtccga 240
ttcttcgcaa 250

<210> 48462
<211> 251

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700967058H1
 <400> 48462
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 actacttttc tgacatctca tcatattctg ttctccgaag gtaacagctg cttcttctgg 120
 ttccattttg catatctcta tcttcatttg attttcaatt ttcttcattt ggggaagtgg 180
 gtaatgtttt tcgtggcacc caattgcttg ttttaaattc tcactaccat tttagtggct 240
 agagattgat c 251

<210> 48463
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700967060H1
 <400> 48463
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 ttcatgtcta tgtccatttg aggttgagag agagaggcac tcagatacgt ttccgttcag 120
 agacagacac aacacaacag aaagtgttca gagagagaaa tagtgaacgc aacaaaacaa 180
 tgtcttctct gaatntgtta ctattttctc tgagcagngc tttgtctagt cccatcgccg 240
 ttttctttca gat 253

<210> 48464
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700967062H1
 <400> 48464
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 gagatgagag aacaaagctt tggagataaa atgcatggaa taactctccc tctcactgca 120
 actgcaaata gtttcctttt gagatctcct ctaccaagtt gtttcatacc cacttgtaaa 180

002230-ETFE60

gtttagctacg gatttcgttt taaccattct cagtggaagc accataaaac agaaggatgg 240
agcaatagga ataga 255

<210> 48465
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700967063H1

<400> 48465

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aatgaattca atgttcggag atctgcacag gatctctctc cgtgtccggt gaactttctt 120
tacgccctcc tcgtaacata aaaattcaga tcccgccaac tctgaagacc tctattctct 180
ttccctcccc tttccacttt cccgagaaaa ataaactttt cegtcaattt tctctccacg 240
gtttccttct tcttcaca 258

<210> 48466
<211> 268
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700967064H1

<400> 48466

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cactcctctt ccatagcctg cggccttcac tctcatctcc tgggtctccag tgagatgaac 120
cctagctcca attggtccct ttaatcaatt acctcttaat tagtaattac ttaatctcaa 180
ttagcctttc actctcccac acaacaacat caccgngtc aaaggttttg tcgaaggagg 240
catcgcttcc atcattgcag gctgttcc 268

<210> 48467
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700967065H1

<400> 48467

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 tttcttcgaa ggcgcctaag aggaagcgct cgtggctccc aggttccgaa gcgaaacttt 120
 gcttcctctg gtcatcacga tgatgcatat gagacggcca aatgggagaa gattacatat 180
 ctaggcattg ttagttgcac tggtttagcc gtttataatc tatcaaaggg ccacccacac 240
 ttcaaagaac ctc 253

<210> 48468
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967067H1

<400> 48468

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 agttgaaagg actgtctttt atagagaaaa agctgcggga atgtattctg ccttacccta 120
 tgcatttgca caggttctgg tagagatacc atatatcttc gctcaagctg tgacatacgg 180
 ttttaattgtt tatgccatga tcggatttga ctggactgca gagaaattct tttggtatct 240
 atttttcagt t 251

<210> 48469
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967068H1

<400> 48469

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 acatgaagag attgaagtat attgatattt ctcaatgtgt taacctcaca tgcttccttg 120
 aagagattgg tagattagta tgcttagaga agattgacat gagggaatgc cccatgatta 180
 ggtatttacc gaagtctgca gtgtcattgc aatctctgca gcttgtaatt tgtgatgagg 240
 aggtaca 247

<210> 48470
 <211> 255

<212> DNA
 <213> Glycine max

<223> Clone ID: 700967037H1

<400> 48470

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 aaattttatg gcgagcatga tgatttcaga cgattttcat ttttagccg tgcagctctt 120
 gagtttcttc ttcaagctgg caagaagcca gacatcattc attgccatga ttggcagaca 180
 gcattcattg ctctctgtga ctgggatata tatgccccag aaggattaaa ttcagctagg 240
 atttgcttta catgc 255

<210> 48471
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700966990H1

<400> 48471

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 tctggtgctg tttctgctgt ctttcatagt tccattcctt ataattcaca caatgcatac 120
 tcaaaaattc atgccatgga gcacttatta gtttatacc cttctgggtca ttttaattcaa 180
 tataaactac tgccaccatt ggtggcagag ccaagtgaag ctgcttcaag aacagcccca 240
 gttccttcag ca 252

<210> 48472
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700966991H1

<400> 48472

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 acttcacgct tttgtttctc catttttaaa ccctaaatct atctatctaa tagagataag 120
 atagggcaaa aacaaaaccc tagccaaaga aaaaccttgt tgagcagcaa cagcagcagc 180
 agcagagaga gaggaatatg gaaggagtac cgcacccaat acccagaaca gtcgaagagg 240

ttttcaccga ttt

253

<210> 48473
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700966994H1

<400> 48473

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tgaacagctc tttcagcttc tctccaatct tctccaccag gtggaatcac tgacgaatca 120
agaagaagtt gagctgcgtt ctaaaattga aactcttgga ttagagggtta caaaagttcc 180
ttcaaagtca acgcagcacc ttaacgaggt gtttttctact tgatgcagag ttctcttatc 240
cctggtgaaa tg 252

<210> 48474
<211> 97
<212> DNA
<213> Glycine max

<223> Clone ID: 700967001H1

<400> 48474

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caatttcggt gtacaaacaa aattccccta ttttggg 97

<210> 48475
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700967004H1

<400> 48475

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ttcatgggta gccctcgctt cgtttttctc ctgggaaacg tcatcatcat aacgtctctc 120
gcacaatctg gccacttttc atcttcagcc aaacgtgccc cagaacctgc agatctctat 180
ctcgagttcc tccaaaacac caccatccat cagaaacttc aagtccacgt cagcagacca 240

aagccaagtg cgagagtatt gg

262

<210> 48476
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700967005H1

<400> 48476

gccagcttaa ctcttagggg aggagaaaaa cccttagccg ccagcagtcg ttgaactcat 60
tcttcttcaa ctcaacagag caagggttcg cactcgcaga ttcttgagca agaataatgg 120
ggaagaaaag aaaacacagt gagactactc aagctgtagc acaacccaaa aaggaagagg 180
ctgctccaga gagaccggct aggacccttt tgggggtggaa ggataagaat caagttgagg 240
atgattcacc aatattta 258

<210> 48477
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700967007H1

<400> 48477

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atggaaaaac caagccaaga tcttcttcag cagcaacaac aagccctaaa gtgccctcgc 120
tgcgagtctt caaacaccaa gttctgctac tacaacaact acagcttgtc acagcctagg 180
cacttttgca aagcctgcaa gcgttactgg acaagagggtg gcactctcag aaacgttccc 240
gttggtggtg gctgcagaa 259

<210> 48478
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700967008H1

<400> 48478

agaaatgagt acgctgcgct gcaaaaccag cttcagctgc ttaagcagaa gcaggtggcg 60

ctaatacgaca ctttgccgga attagagaca gaaaagggtg atctggagaa cactgttggt 120
gacgagagcc aaagacagtt gaatgatcaa gaggttctct ctagattgag gcaggagaaa 180
tctagtgcaa gtgcaagtga gtctgaggat gataacgaga gaaatgatgc agccgaggaa 240
gaaacagatg aag 253

<210> 48479
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700967009H1

<400> 48479
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ggagtgtcac caccacaagg gaaagaagca caaactctgg agacgcatct tctggggcat 120
agtgatcttc gccttcacg tggtgtaac agttcttata atctgggcaa tcctaaagcc 180
ttcaaagcca accttcaccc tccaagacgt gaccgtctac ggcttcaacg ccaccatccc 240
caacttcctc acctcaagct 260

<210> 48480
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700967011H1

<400> 48480
cccaaaagac cttttctttc aatattcata gcatcatcat gggtgactct tccgaggcta 60
atgaccattt gggatgaatcc ccggccgttg agttaaccgg aaagataatg attgtgggta 120
ttattatcat gttcttcggt attgtaattg ctctctgcct tcattctctc gccagaaact 180
tctggtggcg cagcctgctc cccaatctcg cagccaccgc cgccgcccgt ttgttttctc 240
gtccggtcca gacggtgga 259

<210> 48481
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700967012H1

<400> 48481

atTTTccctc actttctcgc tccccaaacg cccctctctc tcttccaatg gccgaccagc 60
tcaccgacga ccagatcgcc gagttcaagg aggccttcag cctcttcgac aaggacggcg 120
atggttgcat tactaccaag gaacttgga ctgttatgag gtcacttggt caaaacccaa 180
ctgaggcaga actgcaggat atgataaacg aggttgatgc tgatggcaac ggaaccatcg 240
atttcccaga gttcctcaa 259

<210> 48482

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700967013H1

<400> 48482

gcttctaacg tcaccgactc agttgctgtc agcgagttag tgagtcgttt ctctgcagca 60
acaaggttta gccactccaa acagacggga aatgggtcgt ggggtcagtg ctggtggtgg 120
tcagagttcc ttaggttatc tctttggcag tgggggtgcct gccagcagtg caaacagtca 180
gcctgcaaat ggtgctcgca ctcaaatgc tagtgctcct tcaccaccag tcgataagca 240
aagtcagca ccagcaccag 260

<210> 48483

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700967014H1

<400> 48483

ttcttctctt gcggctaggg ttttagcgca cttcttctag atttaaggaa gatgggtaag 60
gaaaaggttc acatcagtat tgtggttatt ggccatgttg actctgggaa gtccactacc 120
actggccacc tgatctacaa gcttggaggc attgacaagc gtgttattga gagatttgag 180
aaggaagctg ctgagatgaa caagaggtct ttcaagtatg cctgggtgct tgataagctt 240
aaggctgagc gtgaaagagg aa 262

002220.FT1560

<210> 48484
<211> 96
<212> DNA
<213> Glycine max

<223> Clone ID: 700967015H1

<400> 48484

atcgcgagca acgcccttat atttttttgt ttttttgaaa atgtttaagg agaattgggg 60

acgaaaaaact ttccccaat ttggccccc tgggaa 96

<210> 48485
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700967016H1

<400> 48485

ggagttaggt tctgcacgct ctgcttcag cgagtgttct ttcttcgttt caacacctta 60

atttgcacac gctgcttctt cagcttgaga aatggcacia gaaacctttc tattcacatc 120

tgaatctgta aacgaggggc accccgacaa gctgtgcgac cagatctctg atgcagtgc 180

tgatgcgtgc cttgaacagg accctgacag caaggttgcc tgtgagacat gcaccaagac 240

caacatggtc atggtctttg gagagat 267

<210> 48486
<211> 85
<212> DNA
<213> Glycine max

<223> Clone ID: 700967017H1

<400> 48486

caaatacaga taaaaagagt caagcggcga gcaattgcga catcgctggg gcgatcgggt 60

tttcttcgaa gcgccctaag aggaa 85

<210> 48487
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700967018H1

<400> 48487

aaaattccta ttcttcttct catttcaact ctttgcaatt gcgatctttc attccttttt 60
ttttactctt ggtaagcgta gttcgggtgt ggagaaccag cttccagttc cagaatactg 120
ctgaacagag ttcggcttcg ctttattggg actcagttgt gtttctacta ggttatcttc 180
tctgaattgc aaatgaatga tcgttgaaaa accatgaaga aggtgaggag aaagatcggc 240
aagtatgagg tgggtcggac 260

<210> 48488

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700967020H1

<400> 48488

acgcgcaatt cgctgctgat aaaccgctc actgcaaatt gttgtgatcc ctacccatcc 60
atccttcatt tccatctcgt ttttttgttt caaacaaga aatctttatt tttttcctat 120
tatattttca atcacgcgaa agtgaaagtt cttcgggtgt tgctattgct cattcatttt 180
ctcaggggaa gaaaaatcat ttttgttccc ccggattacg ttcctagata atagctttta 240
gccaaatatt agatatc 257

<210> 48489

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700967022H1

<400> 48489

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aggggcgtta gacaaatgga cagcttggga aacagagttc cctgtgattg cagtgtctaa 120
ggctttaaaa atcttaagga aaaggggtca ctgggttcgt gtaattcaag tagctaagtg 180
gatgttaagc aaaggtcaag gagcaacgat gggaacatat gacacccttc ttctggcatt 240
tgatatggac aagagggt 258

<210> 48490
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967023H1

<400> 48490

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 atctgtatcg tcaaaattca tgatttcgtg ttgaatgcat cgtccgagtt aggttaattt 120
 ttcgacattt tttggtgtaa aatggaggtg ccaactagga gaaaaccctg gatctactgg 180
 atttgccttt tcgtcattgt caatgcgttt gtacaaatta gcaatgcatt ttatcttccg 240
 ggaagctaca tgcaca 256

<210> 48491
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967024H1

<400> 48491

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 gaagcatgag atcgcggtca cagcgtgtgg tgcaggagca agaagctgct gagtgtgtcg 120
 gtgtcgtcgt cggcgacagc atcgacaga gttgttgggc caacatgccc caagagcttc 180
 tccgagaggt cctcctccga atcgaggcct ccgaggacac gtggccgccc cggaagagcg 240
 tcgtctcctg cgccg 255

<210> 48492
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967027H1

<400> 48492

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 gtacaacctg ttctgtgaagc acttggacgg gaaaacccta accctcctat tcccctctcc 120

gatcctctac gcgagttcca tcaaggatcg cctcttccaa ctactggaa tccccgccca 180
 ccaccagcgc ctgcgcaccg gctgtcgcca cctcaacgat gacaaatccg ctatccagtg 240
 ctccccgggg gacggc 256

<210> 48493
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700967033H1
 <400> 48493

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 ctaagggttt tcttttcttt gccgagaaaa tgagagagtg catttcgac caccattggcc 120
 aggccggtat ccaggttgga aacgcctgct gggaactcta ttgccttgaa cacggcattc 180
 agcccgatgg acagatgccg agtgacaaga ccgttggcgg aggagacgac gccttcaaca 240
 catttttcag cgagaccggc g 261

<210> 48494
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700967034H1
 <400> 48494

cagaaattgt gatcctgaag gtcctctgat gctctatgtc tccaagatga ttccagcatc 60
 tgataagggg agattttttg cctttggccg tgtattctct ggcaggggtt caactgggtt 120
 gaaggtgagg attatgggac ctaattatgt ccctggggag aaaaaggatt tgtatgttaa 180
 aagtgtgcaa cgaactgtca tttggatggg aaagaggcaa gaaactgtag aggatgtccc 240
 ctgtggtaat acagtgg 257

<210> 48495
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700966989H1

<400> 48495

agcagcagcg gaagctctag cttgggcagc gaatcacaat ggcgagagga ttgaagaagc 60
 atttgaagag gcttaatgcc ccaaagcatt ggatgcttga caaactgggt ggtgcatttg 120
 ctccctaagcc ctcatctgga ccacacaaat ccagggaatg cctgccactc atactcattt 180
 tgcgaaaccg gctgaagtat gctctgacat accgtgaagt cattgctatt ctgatgcagc 240
 gacatgtcct tg 252

<210> 48496

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700967035H1

<400> 48496

ctgatgagca gatagaaaga gaagagaagt tgatgtcaac agcagaagct cctcctccgt 60
 tccaagaagc agcgcgatgc gttgtgtgca attgcagttt caacaccttc agaagaaggc 120
 atcactgtcg atcctgtggg agaacattgt gcaatgaaca ttcattcagat caaatggctt 180
 taccacaatt tggcatttac tcaaattgtcc gagtatgtgc tgattgtttc aacaactcac 240
 ggtctgggaa gcatg 255

<210> 48497

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700966951H1

<400> 48497

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 gatcaagtgg aaaaggttct taaaactcgg tatcacgatg ccaagaataa actgcaagga 120
 aaagagcttg atttactcat tgttatcttg ccggataata atggatcact atatggtgac 180
 ctcaaacgta tttgtgagac agatctagga cttgtttcac aatgttgcta actaagcatg 240
 tcttcaaattg agc 253

<210> 48498
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700966952H1

<400> 48498

cttctccttg ctttgacctt ttgccggttg ttgtgttgca ttggtgcaaa tggcgttctt 60
 cagaagcggtt tctgcacttt ctgcacttcg ctctcgcggtg ggccagcaat ctaatcttgc 120
 gaattcagtt agatggctcc aaactccgag ctccagtaac actgatcttt attctgagtt 180
 gaaggaacta gttccagagt atcaggaacg tgtaagaag ctgaagaaag atcatggaag 240
 tgttgaattg ggaaaaatta ctgttgatat gg 272

<210> 48499
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700966953H1

<400> 48499

caggcaagcc ccactcaacc accacacctc tcctcgttca cgctaccocct ttctgctctt 60
 cttctacctt tcaagtttta aaagtataaa gatggcagag acattcctat ttacctcaga 120
 gtcggtgaac gagggacacc ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga 180
 cgcttgcttc gagcaggacc cagacagcaa agttgcctgc gaaacatgca tcaaaaccaa 240
 cttggtcatg gtcttcgg 258

<210> 48500
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700966954H1

<400> 48500

ggaagcgctt ctcaacttgcc cacaataaga attcctctca aatttcaatt ttctatttga 60
 aaataataaa accctaaaag aggggttgca agcaaatga gaagctcgaa gatgtggatg 120
 gttttcatgt gtctgacggt gagcttcttc gctcgcattg aatcgctatc cgtgacggtg 180

aacgacgtcg agtgcgtcta cgagtacgta ctttacgagg gcgacaccgt ttcggggaac 240
 tttgttgcg tcg 253

<210> 48501
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700966955H1

<400> 48501

aattacaaca ccaatctcac ccatttcaaa aaaaggccgt tagtgttact attcgtaaaa 60
 tggccactct tgttctttac caattctttc tcaaactctt gctcctaatt tcagtctttc 120
 agcttttctt tgctgctagg agactcaacc agctgggttca ggaccagtca cagttactcc 180
 attaccacaa cggctctctt ctatacggca aaatcgccgt gaacctaatc tggatatggtc 240
 atttcaaacc atccc 255

<210> 48502
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700966956H1

<400> 48502

aatttattaa ttttatgttt ttatggcttt ccacgaccat ctccagcacg acatagcggtt 60
 ccagcgtttc acggaggagc aagagttgac cgagaacaga gacatgcagc agaggctccc 120
 acctccgaca tggctcaaca acgttaacgc gcgtcaacag aatttctctg acaccgagaa 180
 gagcgtggat cggaacaacc gaagcgagag caattgcgaa tccgaggatt tgaggaata 240
 caaagcggac attctaggt 259

<210> 48503
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700966957H1

<400> 48503

atcctgtctt ctcgtgctgg ccagtctaga gctgactaag aaaggagttg tgctgcaaaa 60
tattctttga ccacccatct gttttaacct ctttttagag ggggtgaggg aggtaattat 120
tagtttttcc gagcttagca atgttcaggc agcattttca ggcttttagca attgtgtgaa 180
agttcaattc accatttgtg gtgtttgttt gtgtaattag gtttatgttt acttaataaa 240
gcttcttaag cttc 254

<210> 48504
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700966958H1

<400> 48504

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aatagtatga aagacttgat agattacagc agagaaactg ggactggacc tatggagagc 120
ttagcaaaat tccctcggag aacaagtggc tcattctggac ctcgtgggtca agcacaacag 180
catgaagaac aattacaaca gcagcaacaa caacagatgg tggcccataa ctcaaattggc 240
gatcaaaact cagta 255

<210> 48505
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700966961H1

<400> 48505

tgtttatcac tatcacttcc ccttcctatc tctgaagcca ttctcgttca ttttgtcttt 60
ttatcttctc tttatctccc tcaacaagat tcctataaag ttctgtagcg ctttcacaca 120
actttaagaa tcattgtatg gagccttgca ccaatcaact gacacctctt ttttaacgcag 180
aaaatctcgt gaatccgtga tcgcaaacaa aacaatgtct ccccttctta tgttaggcaa 240
ccgcaaagac gggttctg 257

<210> 48506
<211> 256

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700966962H1

<400> 48506

cggctcgagc tcgagccgat tcggctcgag aatagtgtta atttgtcttt ctctatctct 60
atcgactatg agtngttttg cttttgatga ggaaaactcc tccaccgtgg ctccggcaac 120
actctacaaa gctctgacaa aagatgctga cactatcatc ccaaagatta ttggggccat 180
ccaaactatt gaaatcgttg aaggaaatgg aggaccgga accgtcaaga agataacagc 240
tagtgaaggt gaccaa 256

<210> 48507
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700966963H1

<400> 48507

gcgattttcg gtgaaaaaga gtggtacttt ttcagcccca gagacaggaa ataccggaac 60
gggtctcgac ccaacagagt agctgggtcg ggttattgga aagccaccgg aaccgacaag 120
atcatcacca ccgaaggtag aaaagttggc ataaaaaaag ccctcgtttt ctacgttggc 180
aaagcccca agggcaccaa aaccaattgg atcatgcacg agtatcgct cctcgactct 240
tcccgaaga aactg 256

<210> 48508
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700966964H1

<400> 48508

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ttagttgatt agggacagtt cattttacat aacctgcgtc gtcaaattatt tcaacatata 120
caaattattht gggtgcatgc cccattcata ctacagtcaa ggagtactgg actatthtct 180

ttataaaaaat ggagtacttg acttggtgaa gattgtgaag cttgtagttc cctgattcct 240
gtgcggcact aaattt 256

<210> 48509
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700966965H1

<400> 48509

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cgtagtgatc tgcgtggggc ttttgggctt cgctctcgtc gccgactttc tatgggcctc 120
tacctettcc actcttccca cctccaccaa accctccgca tttgtggttc cctccaacca 180
caataagaag aaatatgaga atgccactgc ttctggaaga ttccttgccg cggcttacgc 240
cgatttggtat gcgccgcagc t 261

<210> 48510
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700966966H1

<400> 48510

atgtgggtga gaggaagaag aagaagcaaa tggagtttca acgcagcgat tcatcatcgt 60
ccccgcccac acccaacaac gccgatccga agaaaaacac ttgttctgac ccaatgcatt 120
catggtggga atcagtctca aaagcccggt cccgaatcca cgccctcgcc gccatcctcc 180
cctcctctc ctccgactct ctctcctctt tagcggactc cgaccgcccc gctttgtcgt 240
tactttctc ccccgccgcc ta 262

<210> 48511
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700966967H1

<400> 48511

ccgagttgtg tcgagttgtg tcaagtgtga actcaaaaca tctctctcaa tctctcaccc 60
 tgttttaggtt ttgttttggga gtggtgttgc tatctctata gctccatgaa ctttttctga 120
 cacaacccaa cccaagagga ggagggggat gaggaagaag atcgaagaag aacaagatat 180
 gttgcttggga aaacgtcttc gggcaccgat tatgaaaaga actacaagca tgagtgggtg 240
 tttggccgtg gaaaccaa 258

<210> 48512
 <211> 146
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700966970H1

<400> 48512

caaagctccc ctttcacatt tcaattctct gaaccctgct ctccattttg tctcttctct 60
 tctctctcta caaagagtgc gtgtgagagt gagagagaga gagagggatt tggaactttg 120
 gatattctata gcgaaagcga gacacc 146

<210> 48513
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700966972H1

<400> 48513

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 aattggttcg aaagagtga gaccttagca gctgtggtat caatgcagtt tggatatgca 120
 gctatggatg ttctatccaa ggctgcaatg aacaaaggga tgagcaacta tgtgtttgtc 180
 gtttatcgtc atgctgttgc attctttgtt atggcccctt tggcatgggt ttttgacaag 240
 aaagtaaggc caaag 255

<210> 48514
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700966973H1

<400> 48514

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 ctaatccaga aaatgagcag cggcgctgga aagggtggtgt gtgtcaccgg cgcttccggt 120
 tacattgctt cctggatagt caaattcctc ctcaatcgcg gctacaccgt taaggccacc 180
 gttcgcgaca caagtgatcc gaaaaaata aaccacttgg ttggcctcga cgggtgctaag 240
 gagaggctgc acc 253

<210> 48515

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700966975H1

<400> 48515

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 gcaccgatcc tgctttctag aattacatca tcgtatcaag aaaaccttgg aactacacga 120
 aaatggtgtc ggcgaacaag gagatggtcg tgtactgctt cgacaccctc ctcgctcact 180
 acaacagcac ggaagctcct tcccctgcct tcgatcagge tcaacatcca ttgtttgtta 240
 catggaagaa agt 253

<210> 48516

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700966977H1

<400> 48516

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 agattgtaaa ggagaaagaa gaatctgttc gcaatcaaga ctttgagaag gccggagagc 120
 taagagataa agaaatggat cttaaggcgc agatatctgc acttatagaa aaaggcaagg 180
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<223> Clone ID: 700966978H1

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 ttgcagggtt tgctacatat atggcccacc cccactccca cgcctgcaa aatcattgca 180
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 cctattttctc caa 253

<210> 48518
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700966980H1

<400> 48518

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 cagagctatg ctttccaaga agagtcttgg agccctgata acaactatgg ccacaaccac 180
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<223> Clone ID: 700966984H1

<400> 48519

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 ctcttggtgg cagcgggatt aagaccgcga aacgaaatat tgctgcgccg ctggaccctg 180

cagcattctc ggatgcagtg gtccagattt atttggataa tgctggtgat ctggaactta 240
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<223> Clone ID: 700966986H1

<400> 48520

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<223> Clone ID: 700966988H1

<400> 48521

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<223> Clone ID: 700966950H1

<400> 48522

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tttcataaat aggatggggt caaatgatgt atggggtgaa ggcattgggtg taaataactaa 180
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<223> Clone ID: 700966916H1

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 gctgttagtg gcagttcaat ttgggtctgc tggcatgttc atatttgca tggatgctat 180
 aaagaagggg atgagccatt acgtgttcac cgtctatcgt aatgccatcg cctctgtatc 240
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<210> 48524
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 <213> Glycine max

<223> Clone ID: 700966917H1

<400> 48524

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 cggtgccaga tgggtttggt gagagtacta cagagcctct tgctcctgca actccatctc 180
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<210> 48525
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<223> Clone ID: 700966918H1

<400> 48525

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aaggtgtctt tgggtgagggc gttgtgttac atgatagcac agtgtgccgg tgcaatctgc 180
ggtgctgggt tggccaaagg gttccagaaa tcgttctaca acaggtacgg aggtgggggt 240
aacactgtca gcgatggcta caa 263
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<210> 48526

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700966919H1

<400> 48526

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ctacgacatc gccctcacct acggccgccc catccccacc tccgatgaga cctgctaccc 180
tctaggagcc tcttcttctg atgacaactt cgattatgat cgcctcaat acacctctaa 240
cgctgaacct tctgcttatg gtg 263
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<210> 48527

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700966920H1

<400> 48527

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aaggcacgca tctgatgagt tctaccttgg gcagagagat ggtggtgact actggacttc 180
tgatgccggt ccattagagg catttaagag gtttggaag aagcttgaag agattgaaaa 240
gaagcttata gagaagaaca aag 263
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<210> 48528

<211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700966921H1

<400> 48528

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 acccaagtat tatataatta aatttgactg ttattctagt accagaaaac agtattttgt 180
 gatcgaagct tcttgttatt cattaataatg gaagtgtccg aggattctcc atatgtagtc 240
 gtggacttgt gttttccta 259

<210> 48529
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<223> Clone ID: 700966922H1

<400> 48529

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 cacagacaac aacaaaccac cacatggtgg tgggtggtgg ttgtctgaga gaactggctc 180
 tgggtgtccc aaattcaagt ccacaccacc accttctctg cctctctctc cccctcccat 240
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<210> 48530
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 <212> DNA
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<223> Clone ID: 700966923H1

<400> 48530

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tcggaaaaat tcgatggagt gccttatggg ctgtttatgg gaccaaagga agttgaagag 240

gtgggggggc tagaag 256

<210> 48531

<211> 82

<212> DNA

<213> Glycine max

<223> Clone ID: 700966926H1

<400> 48531

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<223> Clone ID: 700966927H1

<400> 48532

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tttcaccatt actactccct ctacctctc ttctcctcc atagaagaag ccactaacac 180

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<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700966929H1

<400> 48533

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cgatattctc cggttaccct ccgaagcatc cacttttttc aaagcaccgc gtggcgatca 180

aaacgatgag ggcacgaggt gggccgtttt aattgccggt tccaatggct actggaatta 240
caggcaccag tctgatgttt 260

<210> 48534
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<212> DNA
<213> Glycine max

<223> Clone ID: 700966930H1

<400> 48534

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attggaatgg aatacagaac tgtatctgga gttgctggac cattggatcat tcttgacaaa 180
gttaaggggac ccaaatttca agagattgtt aatattcggt taggagatgg aactactcgg 240
cgtggacaag ttctagagg 259

<210> 48535
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<212> DNA
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<223> Clone ID: 700966932H1

<400> 48535

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cccccttcat caccgcccct tccagcccc aattcttcgc ttccaacaaa ccaaacttct 180
tcttcagcgc cccaccagc cccacacgtg gcacctctc cttcttccac gactccccct 240
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<212> DNA
<213> Glycine max

<223> Clone ID: 700966934H1

<400> 48536

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acaatttttt cttcttttat ttatttggtt atggatgatt gttcaatgta gcgttttggt 120
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<210> 48537
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<223> Clone ID: 700966935H1

<400> 48537

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ccagtgccac aagcaacacc aacatcaact ccaacaccac aacaagcaca aacaacaaca 120
gttcctgagg cccacaagt acagccattg gtcccacaac tacaacaaca acaacaata 180
gtggtgagta atgtggaaat caacaaagct gataataacg gtgagaattt gatgatggaa 240
gcaagctctt caaggtggcc 260

<210> 48538
<211> 260
<212> DNA
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<223> Clone ID: 700966936H1

<400> 48538

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atcaccagtg ttggagggat cgttgaccaa gtcttaggct tcataggcag tgcagtcgat 180
gcacttactt ttgcagccac caaaatctcc atccagttga ttagtgctac caaggctgat 240
ggtgggaaag gaaaaattgg 260

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<212> DNA
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<223> Clone ID: 700966937H1

<400> 48539

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ctagtttcac tgcaaggctt agtactcaac tctaagcctt acttcaatga agctgggtat 180

gataagcagg ttggaacagc cgaaggagag aaaaattcat tgtcatacaa tgagaatacc 240

tttttactta actgcaag 258

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<211> 150

<212> DNA

<213> Glycine max

<223> Clone ID: 700966939H1

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ctgcagggat cagtgggtgcc cccagcata 150

<210> 48541

<211> 257

<212> DNA

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ccaccacgac tcacaatagc ttacggtgcc cacgtgcggg gatgatcttt taccggaatg 180

gccccaaagg gccgtagaag gggcagccgg agaacgcggg ttatgatttc gaggacaaga 240

ttaacttcgc ggtgttc 257

<210> 48542

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700966941H1

<400> 48542

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ttggccaaac actcccattc cactgcact gcgagagctt ctaaagcctc tccttgacagg 180
tggtgaaatc gatgaactcc ctaagcaaat tgatgatata cagtacccaa aaacattctt 240
ctataaagaa gaccttca 258

<210> 48543

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700966943H1

<400> 48543

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tcaactagtg ctagtagc 258

<210> 48544

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700966946H1

<400> 48544

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aacatccact agacccttta accaaacaag agataagtct tgtccaaacc atagtccaaa 180
acaagtaccc aagctcaagt aacagggtga gcttccacta cattggactc gacgaacctg 240
aaaaggatgc catcctca 258

<210> 48545
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<223> Clone ID: 700966947H1

<400> 48545

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 ccctatctct tgcttcatat gtatatttca ataggggtgc atcggtgaga aatttcatct 180
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<223> Clone ID: 700966948H1

<400> 48546

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 aactgggcca ccgggggtctg ttgtgacatc agttggtacc attcaatcca cacctgctgg 240
 agctcagcta ggacag 256

<210> 48547
 <211> 263
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<223> Clone ID: 700966949H1

<400> 48547

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gttggtggga gaacgtaaca agcttagtcc cttcatgggt gtgcttctc actgctttcg 180
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<210> 48548
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<223> Clone ID: 700966915H1

<400> 48548

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 <212> DNA
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<223> Clone ID: 700966901H1

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<223> Clone ID: 700966903H1

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<210> 48551

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700966904H1

<400> 48551

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 cctagtaaca cagatgggat ctcacatgaa gaaaacaatc tttgaggagc aaactgcaaa 180
 ggcaacttaag aaatggcaaa aggctgcaaa ggacaagaga aagttaagga aagcaggaat 240
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<210> 48552

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700966905H1

<400> 48552

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<210> 48553

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 <223> Clone ID: 700966906H1

 <400> 48553

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 acccttgagg tggagagctc tgacactatt gacaatgtca aagccaagat tcaggacaaa 240
 gaaggtatcc caccagacca aca 263

<210> 48554
 <211> 261
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700966910H1

 <400> 48554

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 cttgttctcc ttacagttg aagcagacac aaagaaatac caatttgata ttcaagtaaa 180
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 gccaacgatt tatgtgagag a 261

<210> 48555
 <211> 133
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700966911H1

 <400> 48555

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 agagagctat aag 133

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 <212> DNA
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<223> Clone ID: 700966912H1

<400> 48556

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 <212> DNA
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<223> Clone ID: 701037103H1

<400> 48557

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 caacaggtgc tcgatgtgtt gcaactctgt tgcataaagt gaagaaacgt ggcagggact 180
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<223> Clone ID: 701037316H1

<400> 48558

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 atctatgccat tagttcttat ctccctataa ataccaaatc ccaatttctt tctctccatc 120

cacacacttt cctttctcgc acccatctaa gattacccaa taagacgcaa ctctcaattt 180
 ctgacatttc ttcaatcgag tgtctccagt ggtatcatcc aagaggaacg tatgggaaga 240
 taaagagatg acgataaaac ctgttggtcg tgtttgagg ggaa 284

<210> 48559
 <211> 286
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037317H1

<400> 48559

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 aaaccctgga gagttcgatg caaaggggta cagcctcagc ggaaaaatca tgctttcagc 120
 aataatcctt cttttcttcg tgcgtgtttt gatgttggtc cttcatatct acgcgcgctg 180
 gtacctcgg cgtgctcgcc gccgccagct ccggcgccaa cgcgagctcc gccgcaccca 240
 gcttggtctt tacaacgacg acgccacccc cgcagccgtg tcagt 286

<210> 48560
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037331H1

<400> 48560

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 cacaacaaca ctcagcagac aagtagccag aacaagaaaa tcctttgaca cattgatcac 120
 ttcctttaag gaaacaaaca tggaagggg tcacatgggg tggttcctct actgttggtg 180
 tttttctcta cttttgtttc attcttctag gtcaccaga agagacttgc ccatcatagc 240
 ctttgaggat ggctacaccc ccttggttgg ggacataatt t 281

<210> 48561
 <211> 157
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037402H1

<400> 48561

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tccatctatt ttgtctctca agaagctcga gagattgtct tctcatcact gttcccttaa 120
cacgctcata agcgataatc atttaacctc ccttaaa 157

<210> 48562

<211> 151

<212> DNA

<213> Glycine max

<223> Clone ID: 701037502H1

<400> 48562

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atctaaaggg gagagcgggt gagtgagaaa aagagagtga ggtttctagc ttctactgtt 120
gagtaaacad gactatggaa gagggcaggg t 151

<210> 48563

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701037573H1

<400> 48563

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aggaaaggggt aagggccagg gtggctctgg agcaaatgga actataactg ggaaggcttg 120
cccaaaggg ttgtacggta ccttttgtga ggaatgtcca gctgggactt acaaaaatgt 180
tactggatct gataaatcac tttgtcacag ttgtcctgtc aatgagcttc ctcaccgtgc 240
tgcttatatt tcagtccg 258

<210> 48564

<211> 136

<212> DNA

<213> Glycine max

<223> Clone ID: 701037577H1

<400> 48564

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 cctcttatgg ttgcttcctc tgtttctcat tagctgtttt ggtttttgtc ttagttctac 120
 acctttcctc atttcc 136

<210> 48565
 <211> 117
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037603H1
 <400> 48565

tggaagccat ttacaatata aagtccaatt tgattaggtg aatacagagg atgacacaga 60
 ggtaattcct attttaatag atgcacacat ttcggctctt gtttggaatt atctatt 117

<210> 48566
 <211> 80
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037615H1
 <400> 48566

ctcagtcgct tcaaatttca ggaaatcaat tatgggtcaa ccctcaacaa gaataggcct 60
 tgctggactg gctgttatgg 80

<210> 48567
 <211> 71
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037620H1
 <400> 48567

cagggtagat atgcgcatgc tgctgtaagg agccgagctt tagcccgggc atttcattca 60
 atccgtcatg t 71

<210> 48568
 <211> 108
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037686H1

<400> 48568

ctgattacaa ttgctcttcc agcatcaaac tcgaggataa caagactgga actgtatata 60

caaggcgtgc acaggatctt gcttcagctt ctactgtgct aattggaa 108

<210> 48569

<211> 142

<212> DNA

<213> Glycine max

<223> Clone ID: 701037911H1

<400> 48569

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acatgtacac agggctttct gaacggatat ttagtttggt aaattatggg tgcccccata 120

tttatttttc atagctgggtg aa 142

<210> 48570

<211> 97

<212> DNA

<213> Glycine max

<223> Clone ID: 701037948H1

<400> 48570

atttaagact agctctaaga cgaagaccaa tacgatgggt gtgtgcttgc ttgttgccat 60

cttggctctg acatcctctg ttgtctctgc ctatgac 97

<210> 48571

<211> 83

<212> DNA

<213> Glycine max

<223> Clone ID: 701038040H1

<400> 48571

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ccctcctttc actcattcat ccc 83

<210> 48572

[illegible]

<400> 48572

<210>	48573
<211>	290
<212>	DNA
<213>	Glycine max

<400> 48573

<210>	48574
<211>	297
<212>	DNA
<213>	Glycine max

<400> 48574

19269

ggatacaggc atattgattg tgctcaagcg tataacaatc aagcagagat tggttctgct 240

cttaagaagc tttttgatga tgggtgtggg aagcgtgagg acctatggat cacctcc 297

<210> 48575

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701038246H1

<400> 48575

ctctgagagt gaatatgggtg tgctggattg cactgggtgct gccaacagtg gaaatgggtat 60

tgtttgcaga agatgatttc tttttttatg tcactaatgt gtcctatta agattgattc 120

ggagtttcta attctgattt agtttgatga ttgttttctg ttttaattgtg tcctaaacca 180

aagtgtcctg ttgaataaaa agtgaaatat ttttaattgt tgcattcata aacgaacaaa 240

tgggtgagat tatataccag gttctct 267

<210> 48576

<211> 147

<212> DNA

<213> Glycine max

<223> Clone ID: 701038304H1

<400> 48576

tcgaaatgtc cagtgttctc aggaagatga gggctgggtg tgctggagac aagaagaaat 60

aagtcattt tactgttttc cagattcact agatggacct gtgtactgat ggacgagctt 120

tcatattttt gctttggttc cattagt 147

<210> 48577

<211> 123

<212> DNA

<213> Glycine max

<223> Clone ID: 701038373H1

<400> 48577

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atgaatttgt agagaacca gttaattcct gctttttggg ggaaataagg ttttaaggcgg 120

ttc

123

<210> 48578
<211> 117
<212> DNA
<213> Glycine max

<223> Clone ID: 701038410H1

<400> 48578

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ggaaggatga ctaaactga tcctcatggt aacacatggt gcatgctacc tggagca 117

<210> 48579
<211> 197
<212> DNA
<213> Glycine max

<223> Clone ID: 701038411H1

<400> 48579

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gcattcaacc actttagcag cgatagctcc ggccaccgca ccggcacaag ctccccccac 180

tactccagcg gcctccg 197

<210> 48580
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701038430H1

<400> 48580

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ggtgcataca acacaagatg gaggaccaa atggtagtgg taagttgagc caagggcttc 120

gcaaggtgaa gccttacctt gctatattgt cccttcagtt tggctactca gggatgtata 180

tcatcactat gggtttctttc aagcatggca tgagtcattg gatactctca gtgtaccgtc 240

atgtagtt 248

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<400> 48581

<210>	48582
<211>	277
<212>	DNA
<213>	Glycine max

<400> 48582

<210>	48583
<211>	123
<212>	DNA
<213>	Glycine max

<400> 48583

19272

<210> 48584
 <211> 199
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038846H1

<400> 48584

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 ctccaatgct cacaacggca ccaccaccaa ctccatcagg cagccttcg gcaatgtcct 120
 cgcgttcttc atccttctcc tcatcggcgt tctggccttc tcgatccgtc tcttctccgt 180
 tataaagtat gagagtgtt 199

<210> 48585
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038947H1

<400> 48585

tcatcgccaa ggaacatgaa cgggtgcagt agacaggggc tgacatctgg tgcggcgggg 60
 gtgcaccacc atcgccacta ctccgataac ttctcgacg gctcttccaa cggcaatcgg 120
 tggctccaat cggccggcct tcaacacctt caatcctcct ccaaccaact tcttccgctt 180
 caggactata acttgtacgg aggtgcacag ggaggaagag taccggaatg cgccgaggag 240
 ctttaacgga ggaaatgagt tttatat 267

<210> 48586
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039132H1

<400> 48586

cagaagagag cattacaaga agactatgga gcaaagggtc aaagaaatgg tgaccagcaa 60
 aggtcttgag tcagttcagt cagaaatcaa tgacttggac tgggaaagca ctttttctct 120
 gcgccatctt cactctcca acgtttcaga caacgcagat cttgatcaag attacaggaa 180
 gacaatgaag aaatttgctc tggaactgga gaaacttgca gagcagcttc tagacttgcc 240

09531113.032200

atgcgagaat ctgggcctgg agaaaggg

268

<210> 48587
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701039202H1

<400> 48587

caaggggtcca aattttggga caaaagtgag caactaccct ccttgtctca cccctgatct 60
gatcaagggga ctaagagctc aactgatgc tgggtggcata attctactct tccaagatga 120
caaggtgagt ggcttcagc tctcaagga taccagtga tcgatgtccc accaatgcgt 180
cactccattg taatcaacct tgggtgaccaa cttgagggtca taaccaatgg caagtacaag 240
agtgtgatgc accgagtgat tgctcaaacc gatggtacca g 281

<210> 48588
<211> 123
<212> DNA
<213> Glycine max

<223> Clone ID: 701039381H1

<400> 48588

gtaatctctt ttttcagtgt gtagcatctc accctgatac aaggctgcta ttcctcaatg 60
ctcagatacc tctatatctg tatcccttcc ttaatagaac aagcaagtca agaccatttg 120
agt 123

<210> 48589
<211> 291
<212> DNA
<213> Glycine max

<223> Clone ID: 701039403H1

<400> 48589

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tctttggctt ttggacgcga tttctccatt gtgggctatt catcggagga cttaaagtcc 120
atggataagc tcattgaact ctttgaatca tggatgtcaa aacatggcaa gatttacaa 180

agcattgagg agaagcttct taggttcgag attttcaagg ataacctaaa gcacattgat 240
gagagaaaca aggtggtcag caactactgg cttggcttga atgagtttgc t 291

<210> 48590
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701039614H1

<400> 48590

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tagattctca tctttcctct cttctacccc ttcagaaaaa accatgtctt catattatat 120
gtatatctag ctcttcattt tttcttgctc aagattatgc tgtaaaattc tgaaactcac 180
agtttcagcc acattttaga cttaaagatc tgcgcggtga cccttggcag gttcagcttt 240
tggatttggt catcctcata agcctttgat tagtccagtt ttt 283

<210> 48591
<211> 169
<212> DNA
<213> Glycine max

<223> Clone ID: 701039663H1

<400> 48591

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gtcgtctttg tatacatgga tactcttcgg ggacacggca acattggggc caactgcgct 120
tacttggagt accgcatgga tgacttttct ggctatcttc gtcgtaggg 169

<210> 48592
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701039664H1

<400> 48592

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gcgagaaatc cgatgcaggt tgtagtaaat gtcattaggt tttcctcttt ctctattgct 120

cagaagactc ttggagctac cagtacaaca aaggctggtc cagggctctga tatggaccct 180
 gatgaggaac cactgggttg tggttcctgat cagttcccag cagcaagcaa aaggtcacaa 240
 cagccacaga gcc 253

<210> 48593
 <211> 107
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039724H1

<400> 48593

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 gaagaacgca ggaaggtgca gtggtacttt gtcgctgagc tcctcac 107

<210> 48594
 <211> 99
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039809H1

<400> 48594

agacaacacg ctcggtcttc ttctccaatg gcgatttcg atgagcctga aagtgtagac 60
 actgctctac aacgactctt ccctgcgccg ccgtccctc 99

<210> 48595
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039826H1

<400> 48595

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 gctcgggtct attatgaata tggaacata gaagagattc tcaaatttga atctaacata 120
 cccataccag acatcaagga aaccaagtgc tcatcaaggt tgtggctgca gcgcttaatc 180
 ctgcagatta tatgagggtc cttgggtttt tcaaggacac tgatgcaccc ttacctattg 240
 ttccaggggt tgatgctgct ggtgtggtgg tg 272

<210> 48596
<211> 83
<212> DNA
<213> Glycine max

<223> Clone ID: 701039896H1

<400> 48596

acgaaatcgc gcacagaaga gcaacgttaa caatgggttc tcgctacgag gtggaactga 60

agtcctcatc ggcacgcgct ctc 83

<210> 48597
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 701040004H1

<400> 48597

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gtgtattgaa gtgagcaagc tgctgctggt gctggagttt agggatgagg gtttatttta 180

ttggcagggt tacatgagtt tgtgatgatg tgttactgtg tttacttttag gtttgaataa 240

atgatattta cttt 254

<210> 48598
<211> 222
<212> DNA
<213> Glycine max

<223> Clone ID: 701040012H1

<400> 48598

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gtgagtgtag ttcgtcttct gaatcagatc attcatcact ctctggttct gatttttctg 120

acaccaaaat ggtgaatcct cgaattccac gttcaaggat ctccactttc acacttttca 180

cttgtcagat ctccatcggt ctgtgcattt gattcgagat gc 222

<210> 48599
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701040033H1

<400> 48599

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aaatggctcg caccgtgata cacatgatca aaagagacca ttttgatgct gttgatgata 120
aacttcctgg aacggaggat gtcagctctt gaaagtacaa actttgatac tactcatgtt 180
agaaagaaca tcgggatttg gaagggcgat ggtaatgagt taaaaccagg ttggcttaag 240
ccatctgaag ataacgtgga tcacactgag gagtga 276

<210> 48600
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701040044H1

<400> 48600

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gagggcattg aatttaccaa tccaacatcc tgagctgttt ggaagtcttg gaattgcaca 120
accaaagggg gtccgtgtct atgggccacc tggtacagga acaacattgt tggctagggg 180
agtgcgtcat catactgact gtacattcat cagggtgtct ggttctgaat tagttcagaa 240
atacattgga gaaggttcta gaatggtcag 270

<210> 48601
<211> 211
<212> DNA
<213> Glycine max

<223> Clone ID: 701040049H1

<400> 48601

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acatccgaat gcgcattcgt gagcttgac ggtgggaatg accgctagtc atgtagcatg 120
gctgaggtcc ttgtgaagga tgaagtcaga aaaggtgtta ctaataagcc tgggaattgca 180

gctaggctag tcagaatgca tgttcatgat t

211

<210> 48602
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040106H1

<400> 48602

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 gatgcctgga atgagtttga agttttctga ggaagatttt atggatgggt gtagtagtca 120
 agatggtagc atcattggac acgaatctca ctcaaggcgg tctaggaagc tctcaggaag 180
 tcgagcatgg gaaagaggta gtgaggcaga tcaaggagag ggtggctatg atattatattt 240
 gatgacagag attccatact ctg 263

<210> 48603
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040135H1

<400> 48603

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 tggttgagat ctattaatgc aactctcttc tctgatggtc atctccaatc acaaagtgtg 120
 agcttctctt ctccaaagtc agattctttg ttgatagata aggcttcttc aaatgccaca 180
 ttgccttttt cttgccacca attgtctagc tacaccagaa atacaggtta caattcagga 240
 agcataagca tgcattggggc tt 262

<210> 48604
 <211> 298
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040219H1

<400> 48604

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catagagctc caagcgtaca cccagaaga caacttcacc atcagttgcg gcaccaccgg 120
gatagtcttc gacggccaaa ggacatggac gggggacgca gacacaaagt atttatctgg 180
tggtcaaggc agcaccgttt taaccgaagc agcaacacaa gatccttctg tcaatcaagc 240
tccctacacc acagcacggt tatcccggtc tcagttcaat tactccttcc ccgtttct 298

<210> 48605
<211> 138
<212> DNA
<213> Glycine max

<223> Clone ID: 701040533H1

<400> 48605

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gaagaaaggt gtgaaaggtt ccgttgtagc agcgaagaag aagggttcagg agaaggtgac 120
gaatcctttg ttcgagaa 138

<210> 48606
<211> 270
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701040607H1

<400> 48606

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gccccaaaaa ttctagcttc ctctccttca tacacttctt ccaacgctat taattacaaa 120
attaacctct ccgcttcctt ccgatccatt cactccctcc ctcttaaaac ctcttgcag 180
atcaaagtct cccaaacaga tgggaatgga agtacctgca agaggacagt gcttcatgat 240
ctttatgagn aagaagggca gagtccatgg 270

<210> 48607
<211> 201
<212> DNA
<213> Glycine max

<223> Clone ID: 701040847H1

[illegible]

<223> Clone ID: 701040932H1

<210>	48609
<211>	282
<212>	DNA
<213>	Glycine max

<223> Clone ID: 701041016H1

<210>	48610
<211>	282
<212>	DNA

<213> Glycine max

<223> Clone ID: 701041037H1

<400> 48610

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 gtatgaccgg ggcagagcat ttggtgaatc agattcagat gatgacgacg actacgaata 120
 tgaccctttg gataaccgta tatcagataa cactggtgct gaagctaagc gggggaagga 180
 tatccaaggt ataccttggg ataggttgag cattagtcgt gagagatata taaaactag 240
 actagaccag tacaagaatg atgatagcat agcacaatca gg 282

<210> 48611

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701041073H1

<400> 48611

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 gggacaagaa cctcgtgtat tcgccgataa cgttgcacgt ctgaactcag catcatcgcc 120
 gctggatcca caaggcccca cactcgaaca gcttctctcc ttcgctaccg atccaaatcc 180
 cccgatcatc tcaaatecat cgctctcag ctctacgccg tcgtgctatc cgacgccact 240
 cccgccggag aggatcgact ctcttc 267

<210> 48612

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701041105H1

<400> 48612

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 ctttttctct ttctctcggt accagaacca gaagaacat ttgtggccaa catggatttg 120
 gaccagtga tctccaaggt caaagagggc cagcatcttc ttgaagacga gcttcaactt 180
 ctctgcgaat atgtaaaaga gatccttatt gaggagtcca atgtgcagcc tgtcaatagt 240

002220"CTFE50

ccagtga

247

<210> 48613
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701041611H1

<400> 48613

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<223> Clone ID: 701041640H1

<400> 48614

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<212> DNA
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<223> Clone ID: 701041680H1

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<223> Clone ID: 701042376H1

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<210> 48620
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 <212> DNA
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<223> Clone ID: 701042936H1

<400> 48620

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<210> 48621
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<223> Clone ID: 701043164H1

<400> 48622

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<210> 48623
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<223> Clone ID: 701043181H1

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<223> Clone ID: 701043248H1

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<223> Clone ID: 701043448H1

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<223> Clone ID: 701043663H1

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<223> Clone ID: 701043665H1

<400> 48627

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<210> 48628

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<212> DNA

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<223> Clone ID: 701043677H1

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<210> 48629

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<212> DNA

<213> Glycine max

<223> Clone ID: 700967096H1

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